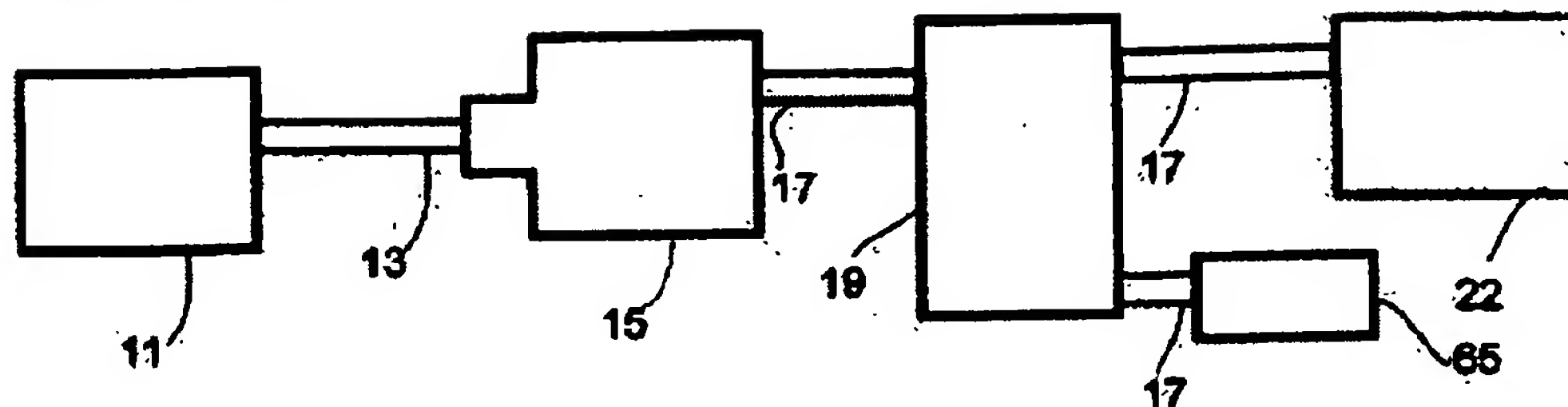
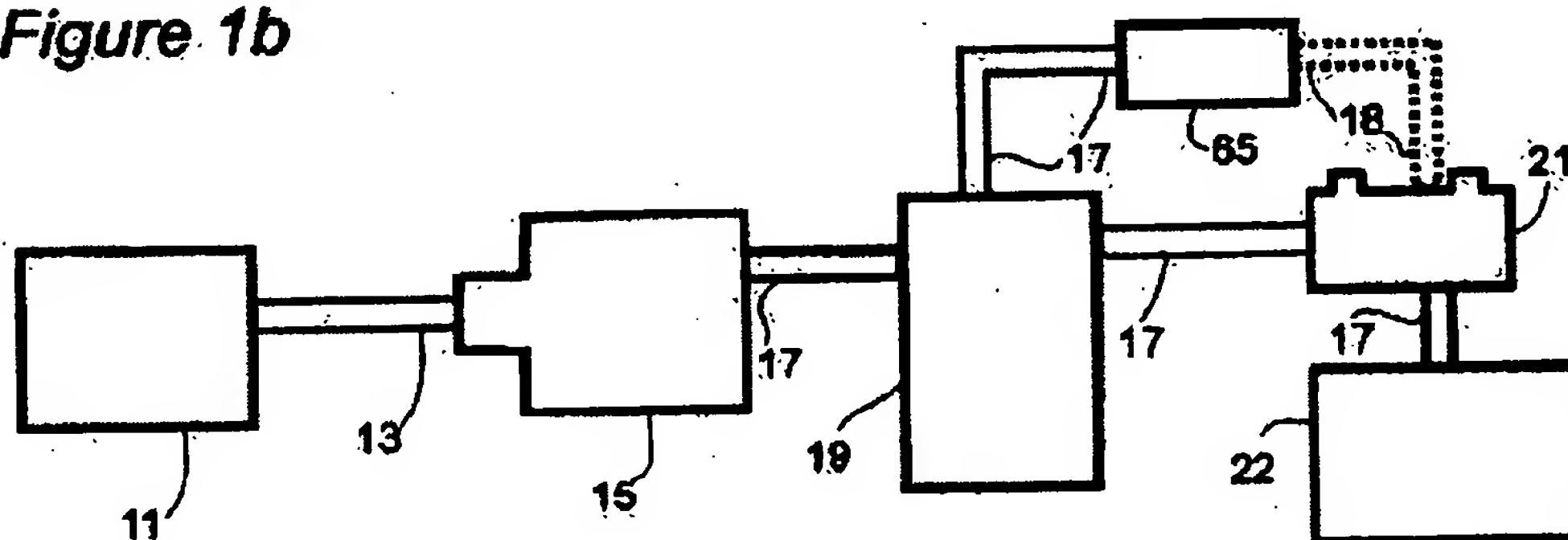


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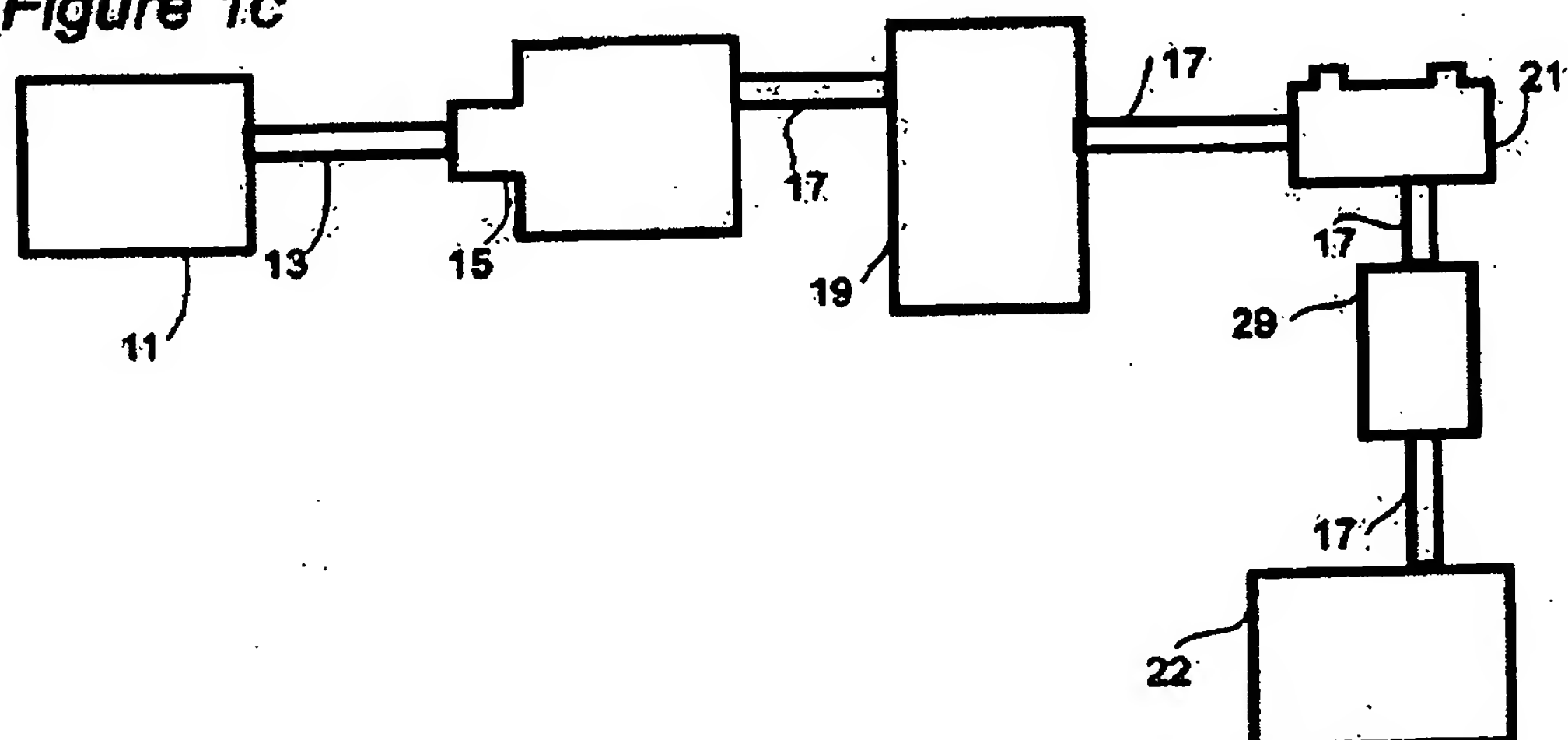
**Figure 1a**



**Figure 1b**

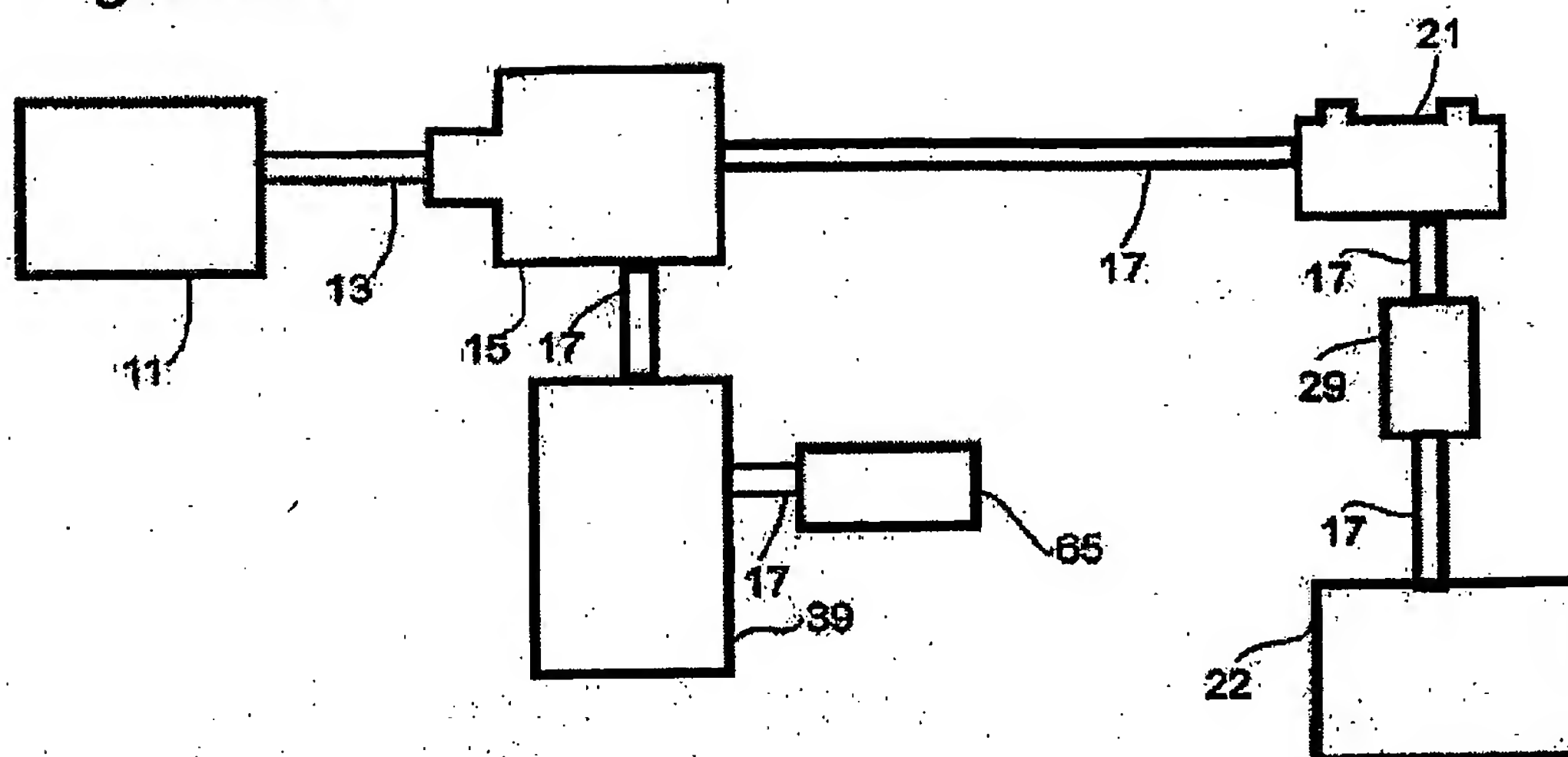


**Figure 1c**



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**Figure 1d**



**Figure 1e**

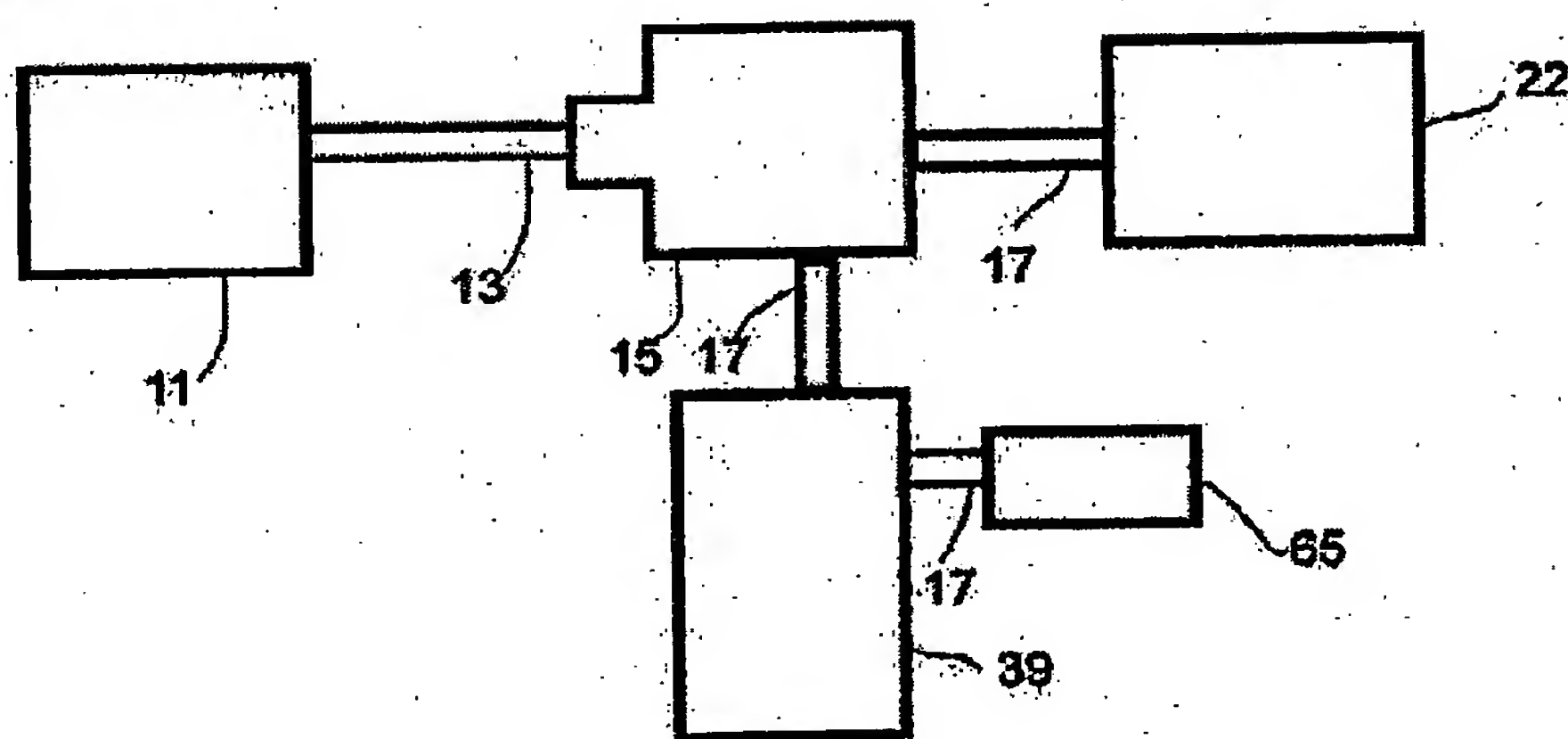


Figure 1f

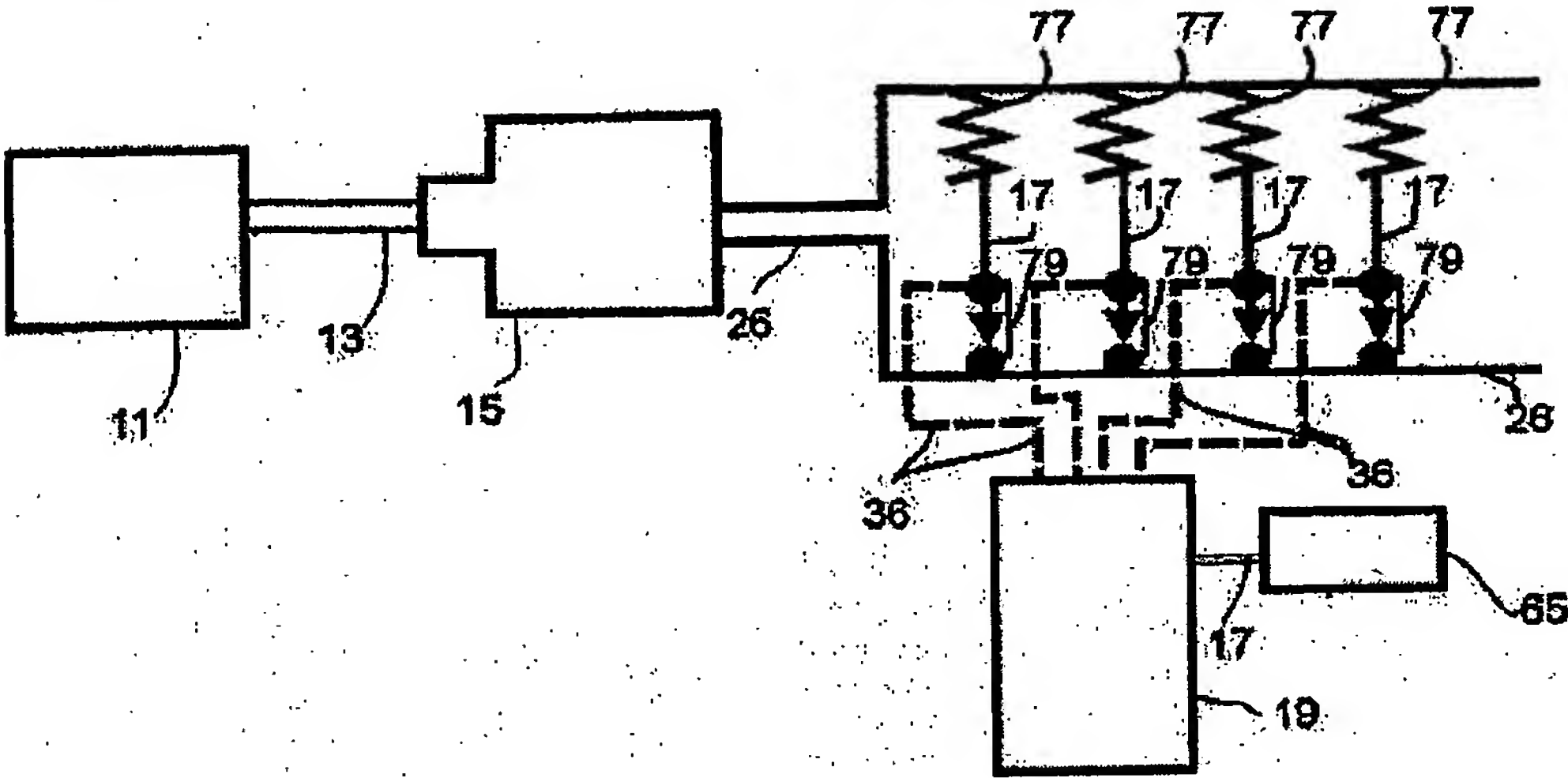


Figure 1g

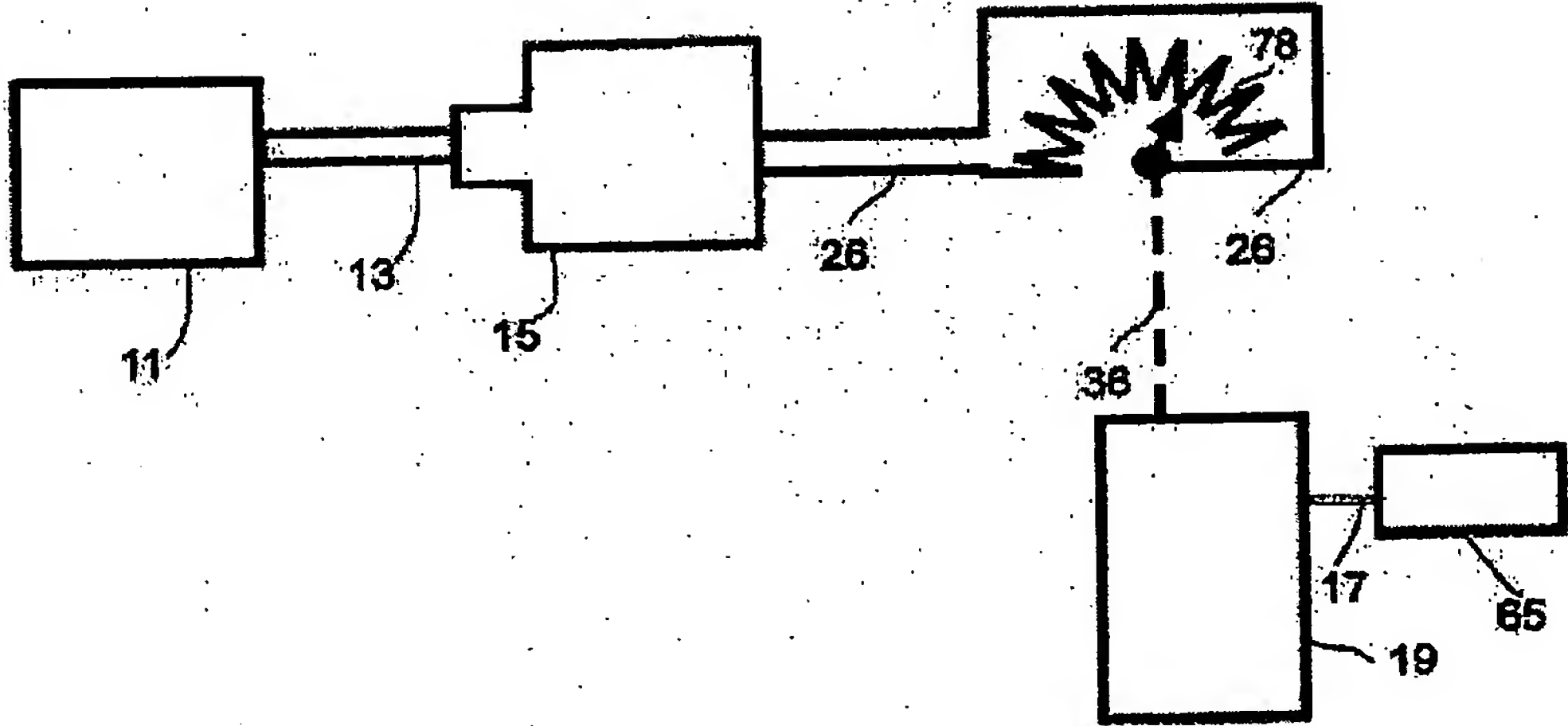


Figure 1h

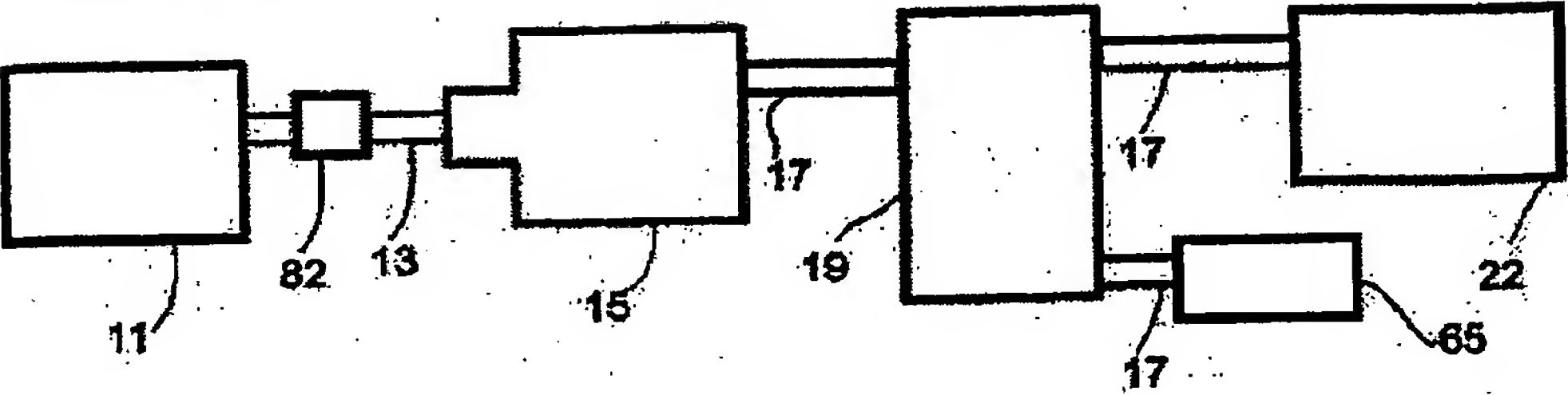
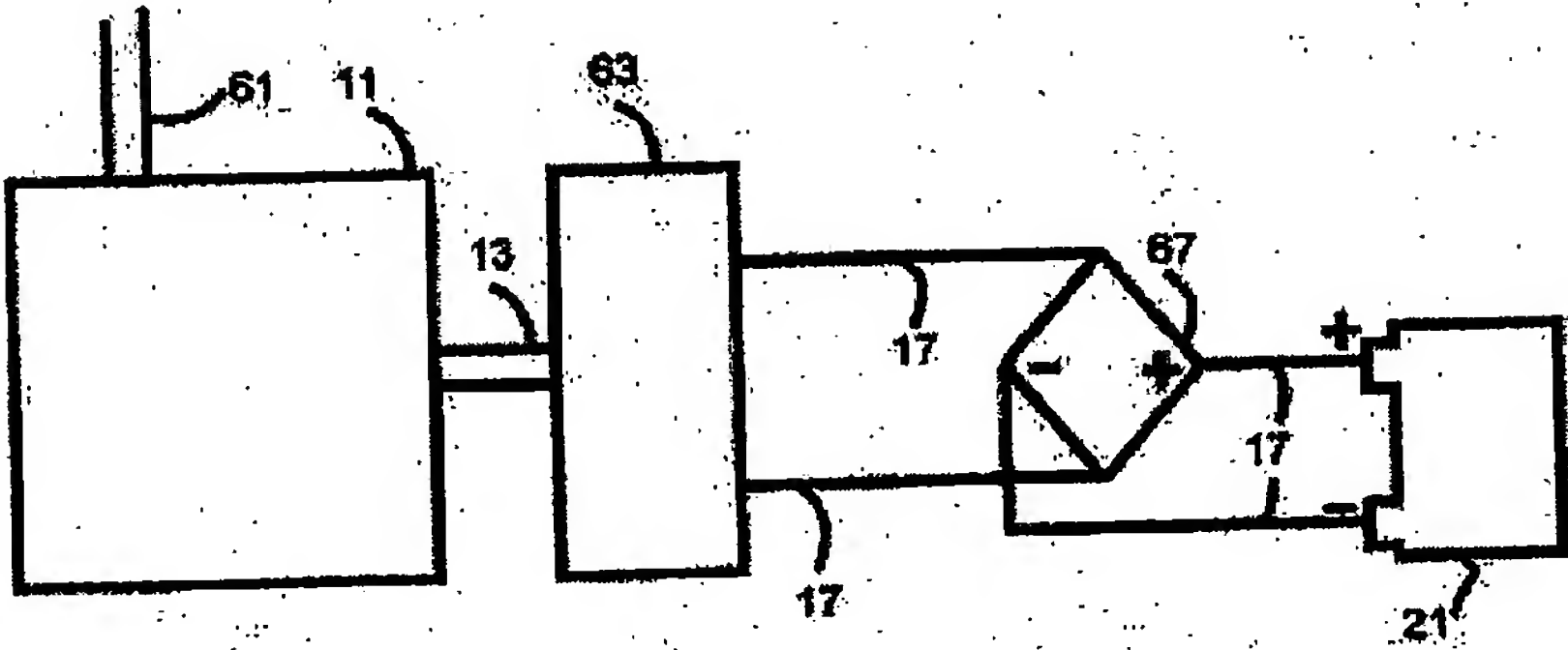


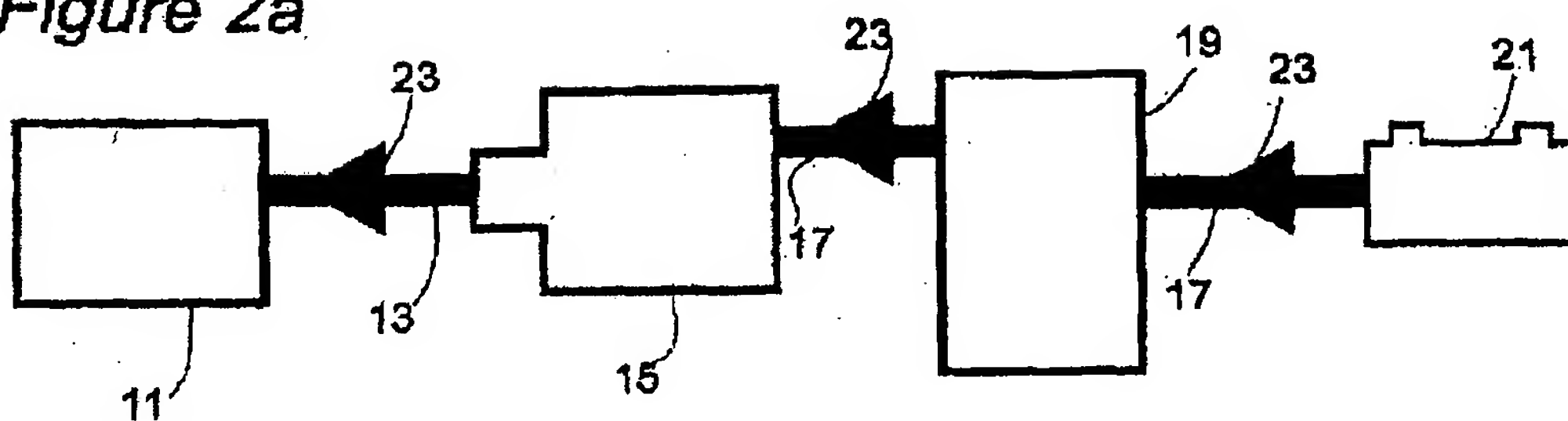
Figure 9a

PRIOR ART

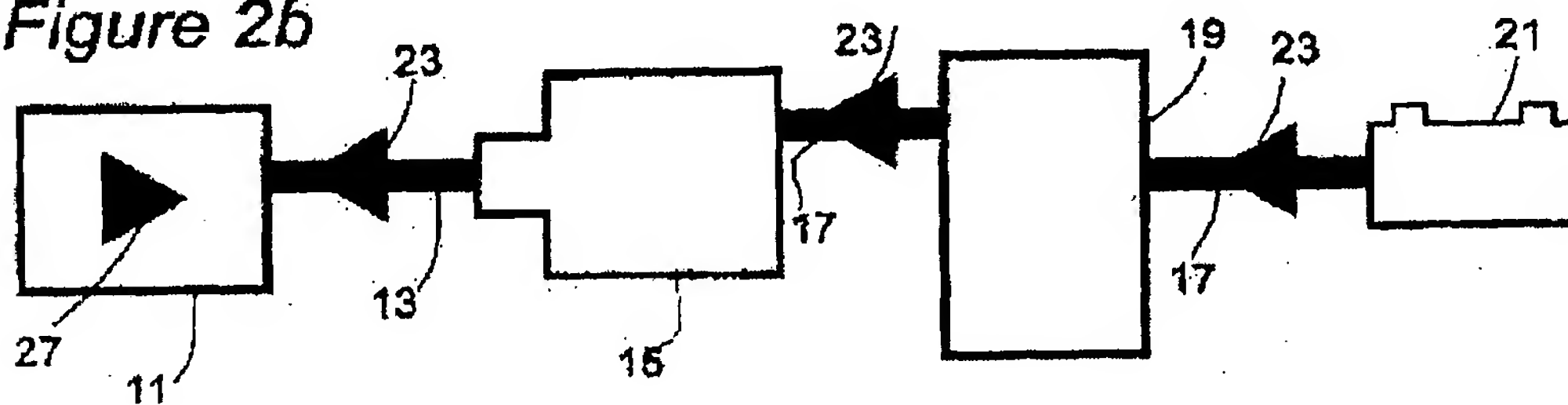


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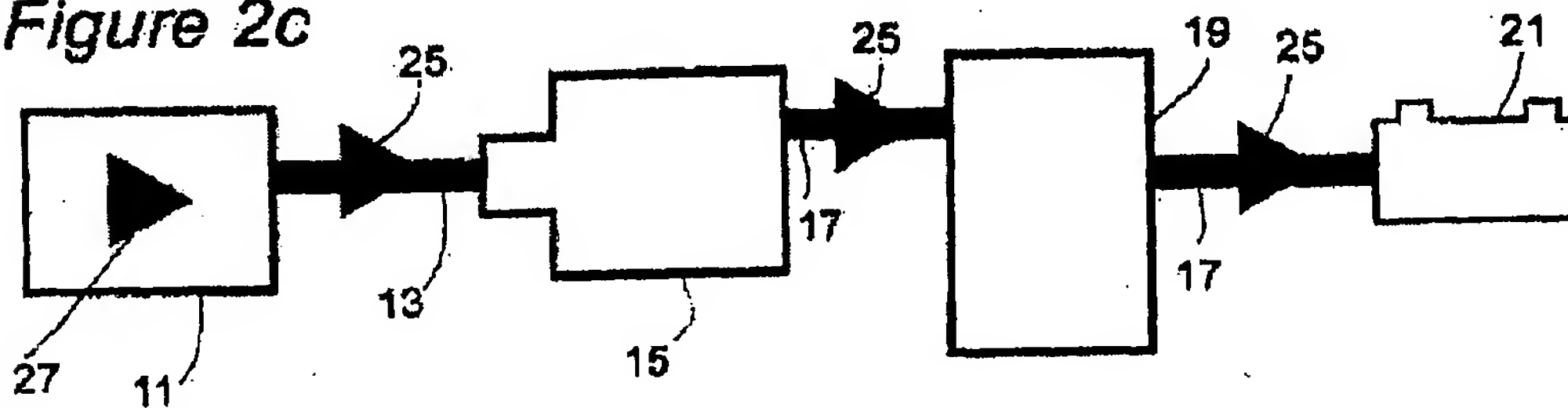
**Figure 2a**



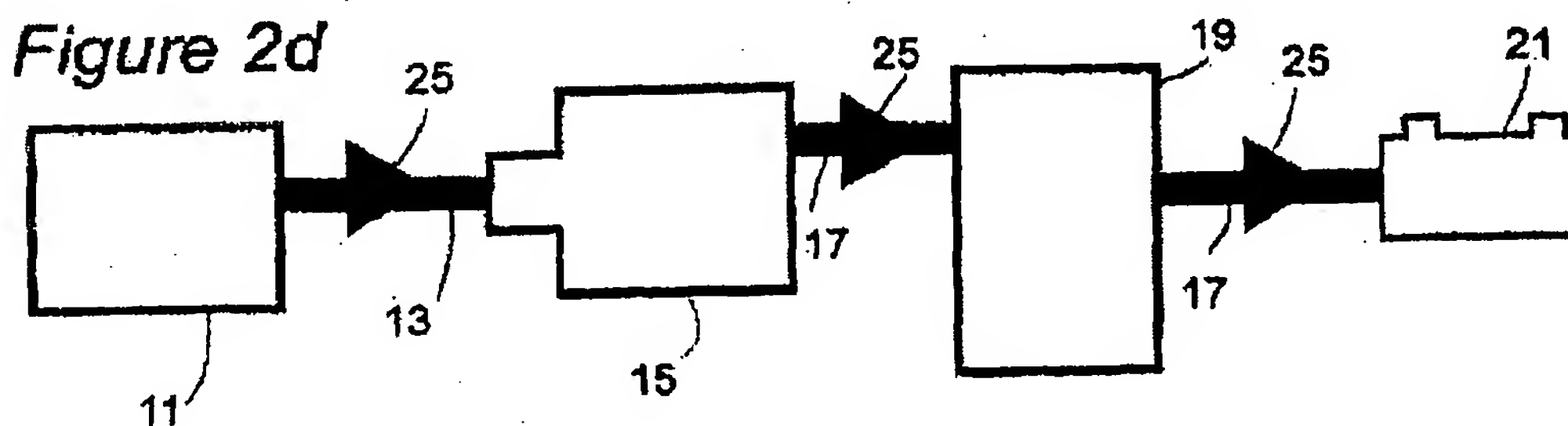
**Figure 2b**



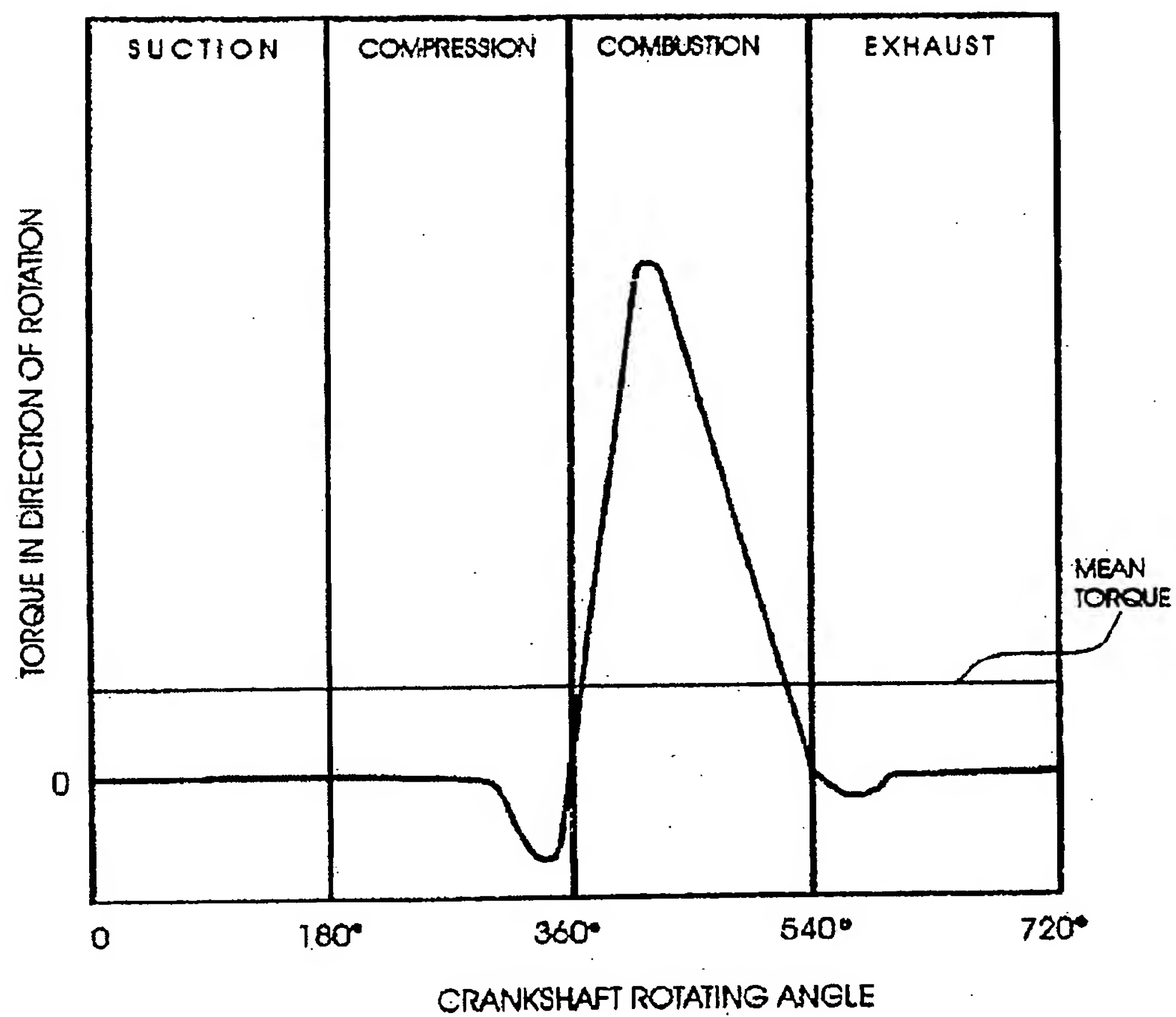
**Figure 2c**



**Figure 2d**



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*Figure 3*

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Figure 4

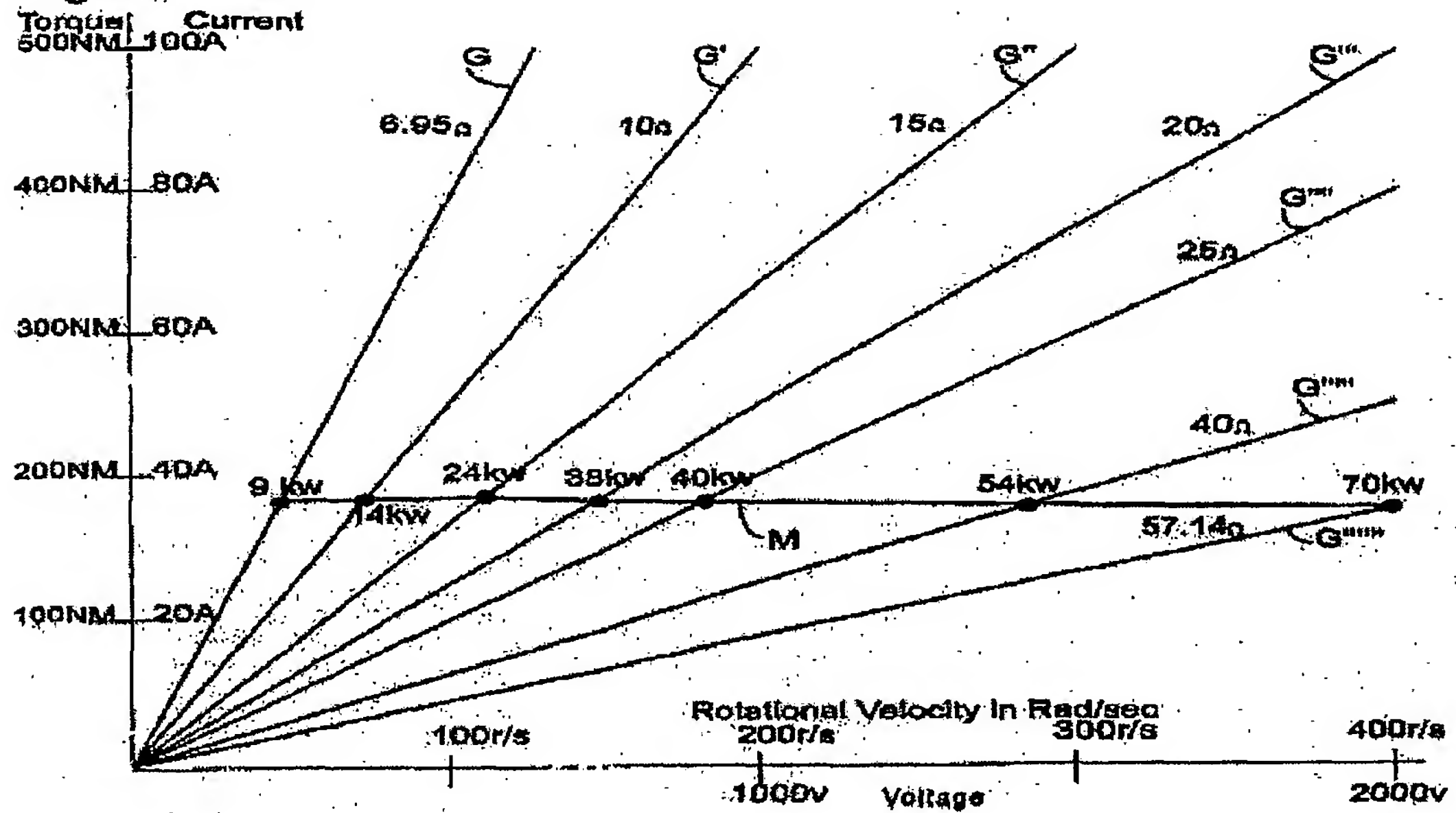
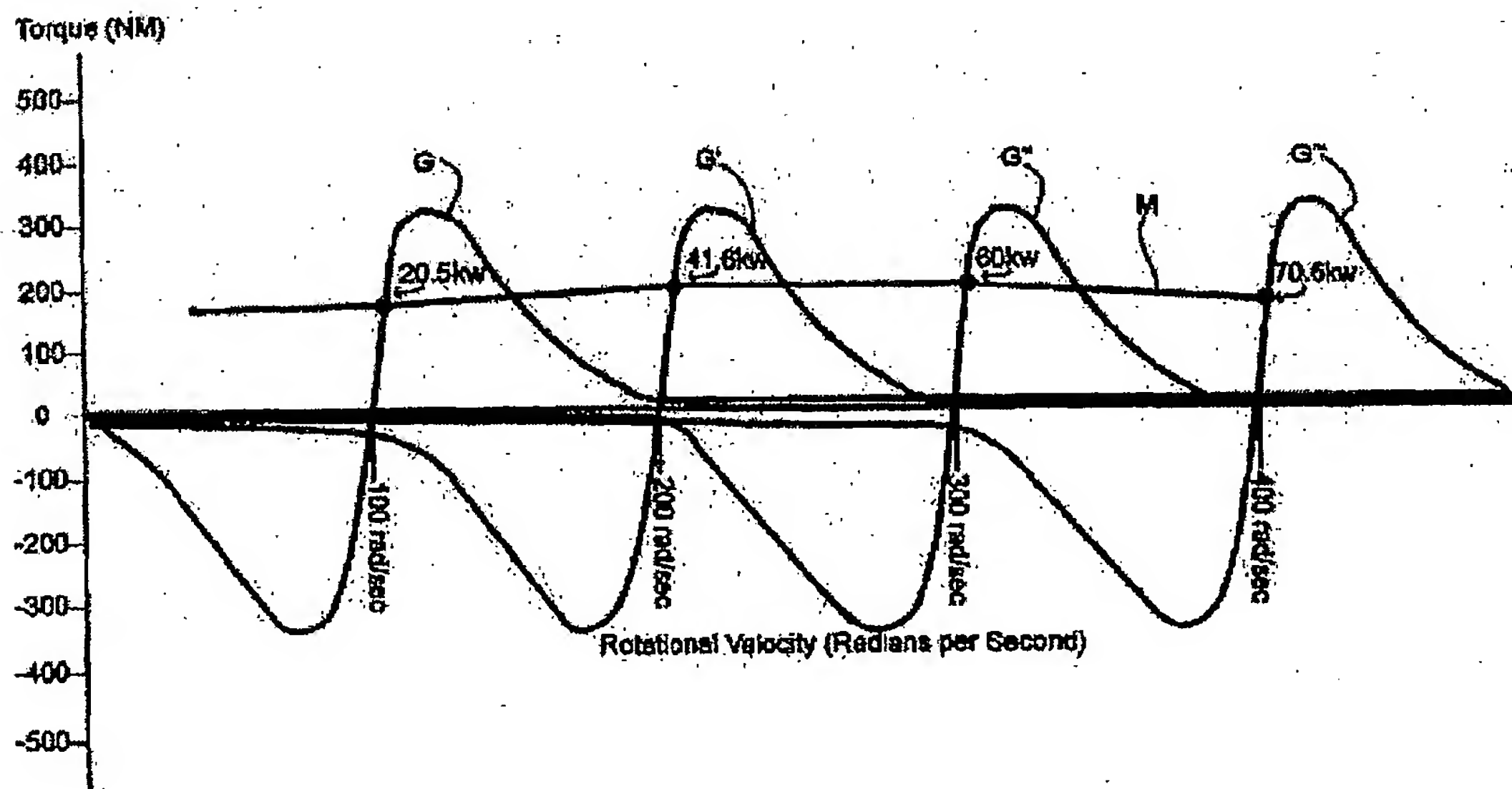


Figure 5



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Figure 6

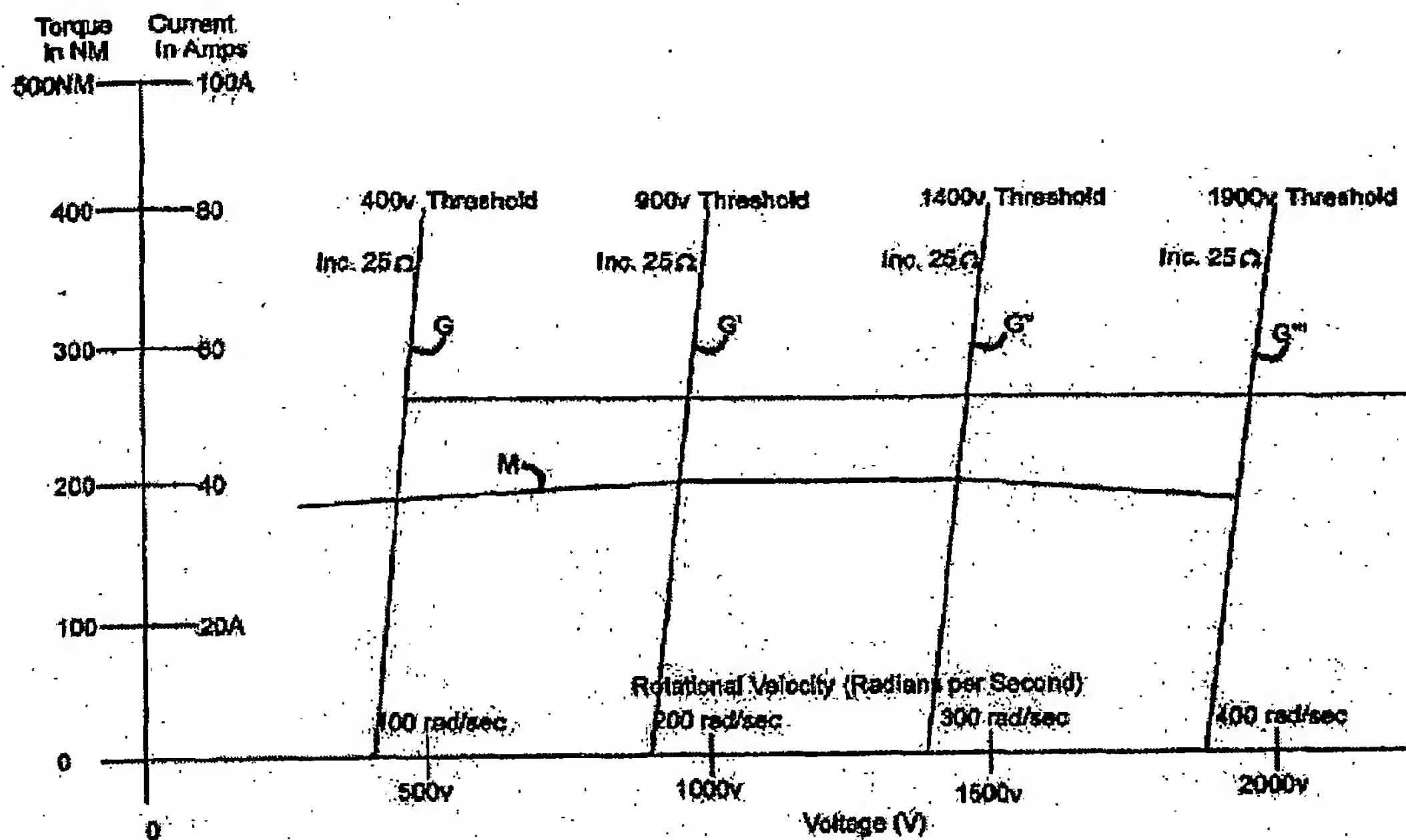
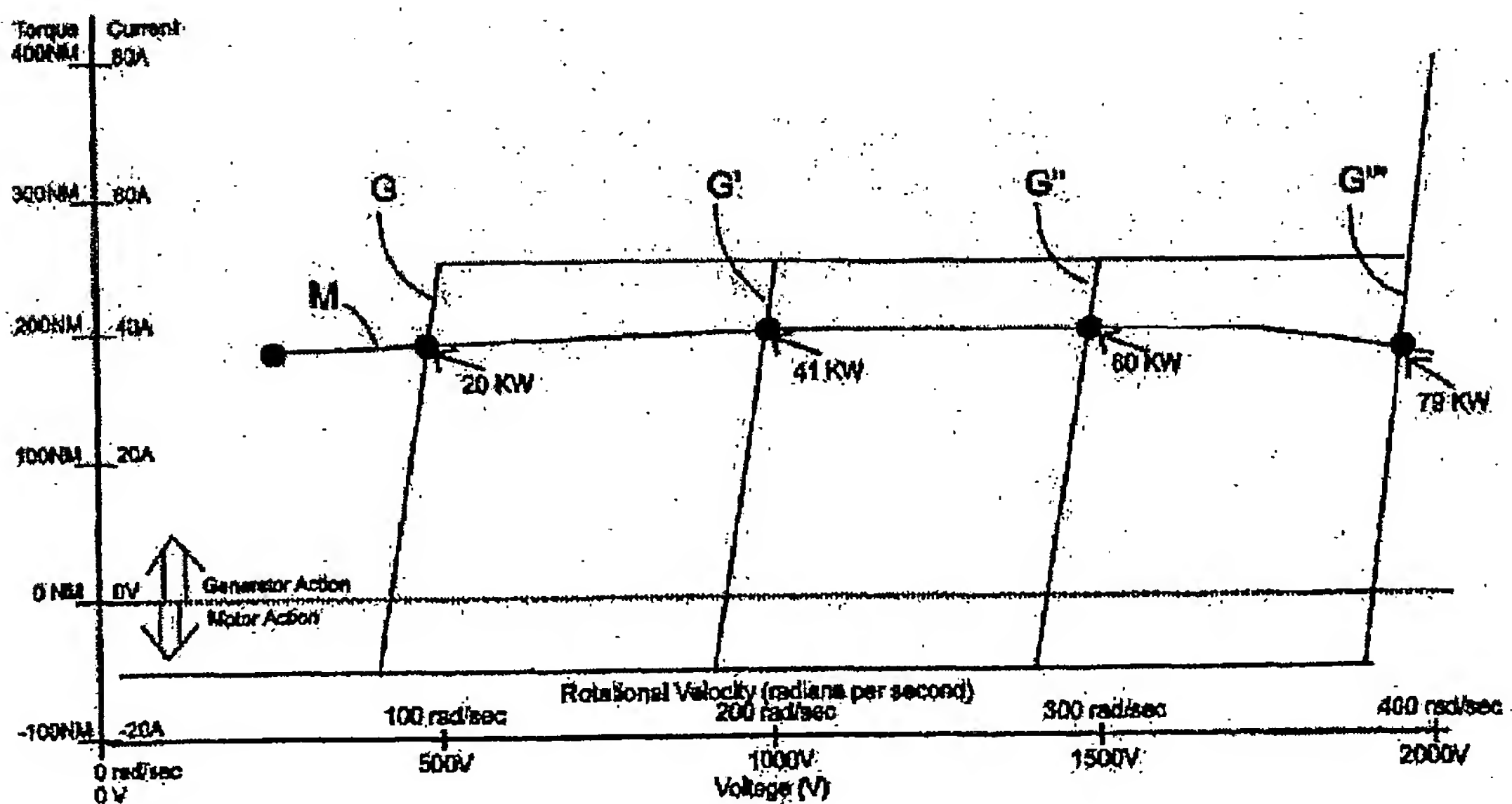


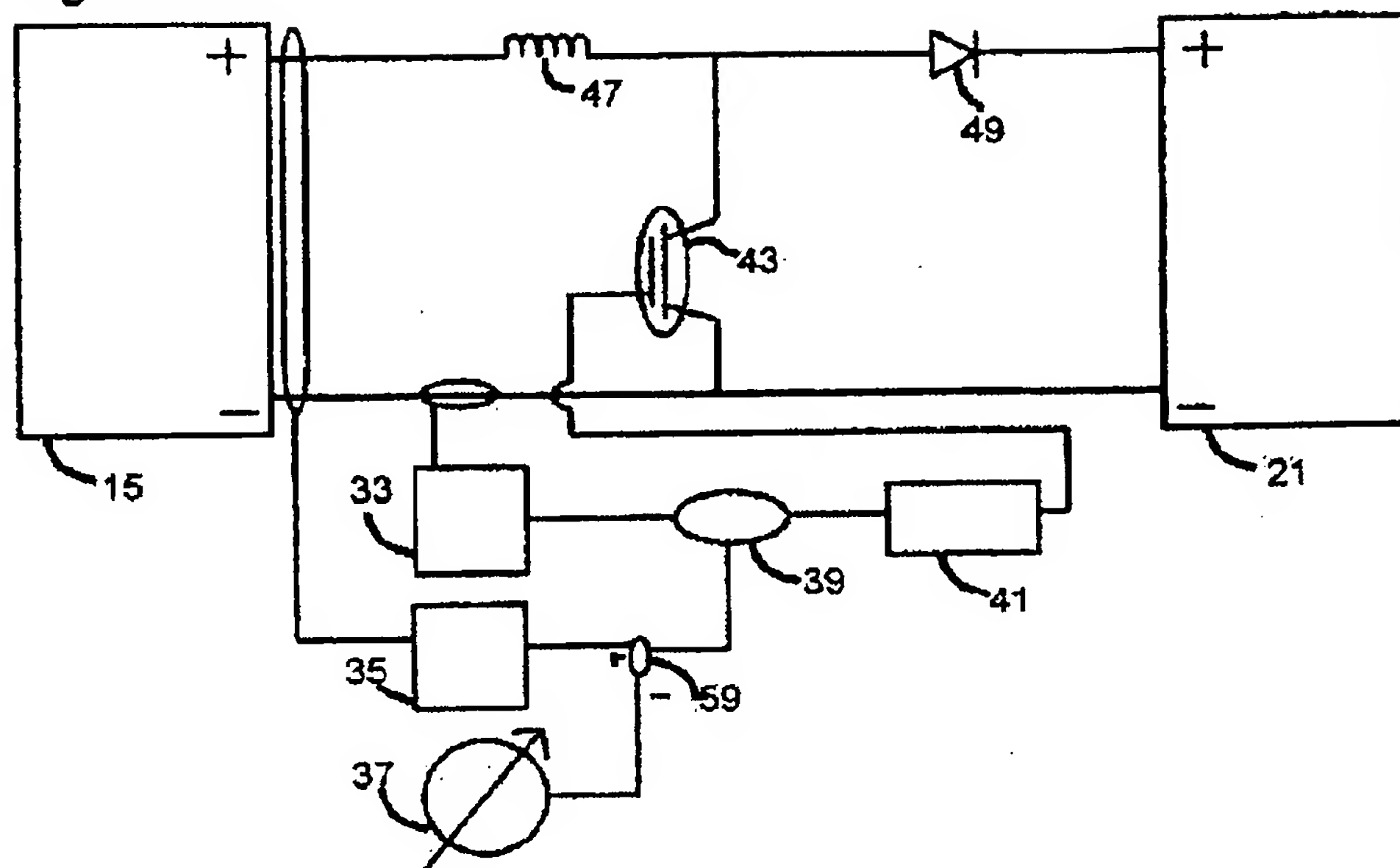
Figure 7



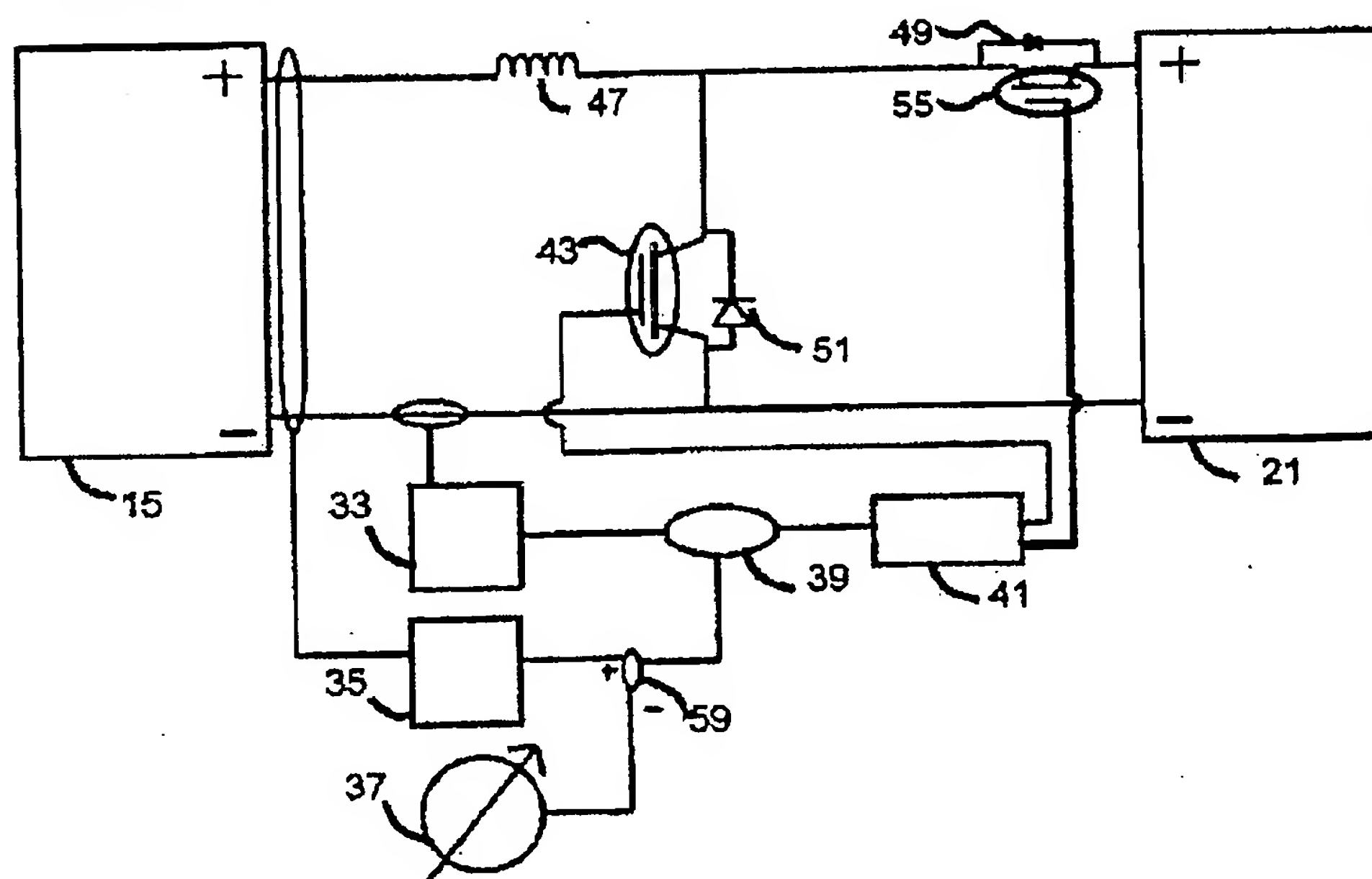


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**Figure 8a**



**Figure 8b**



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Figure 9b

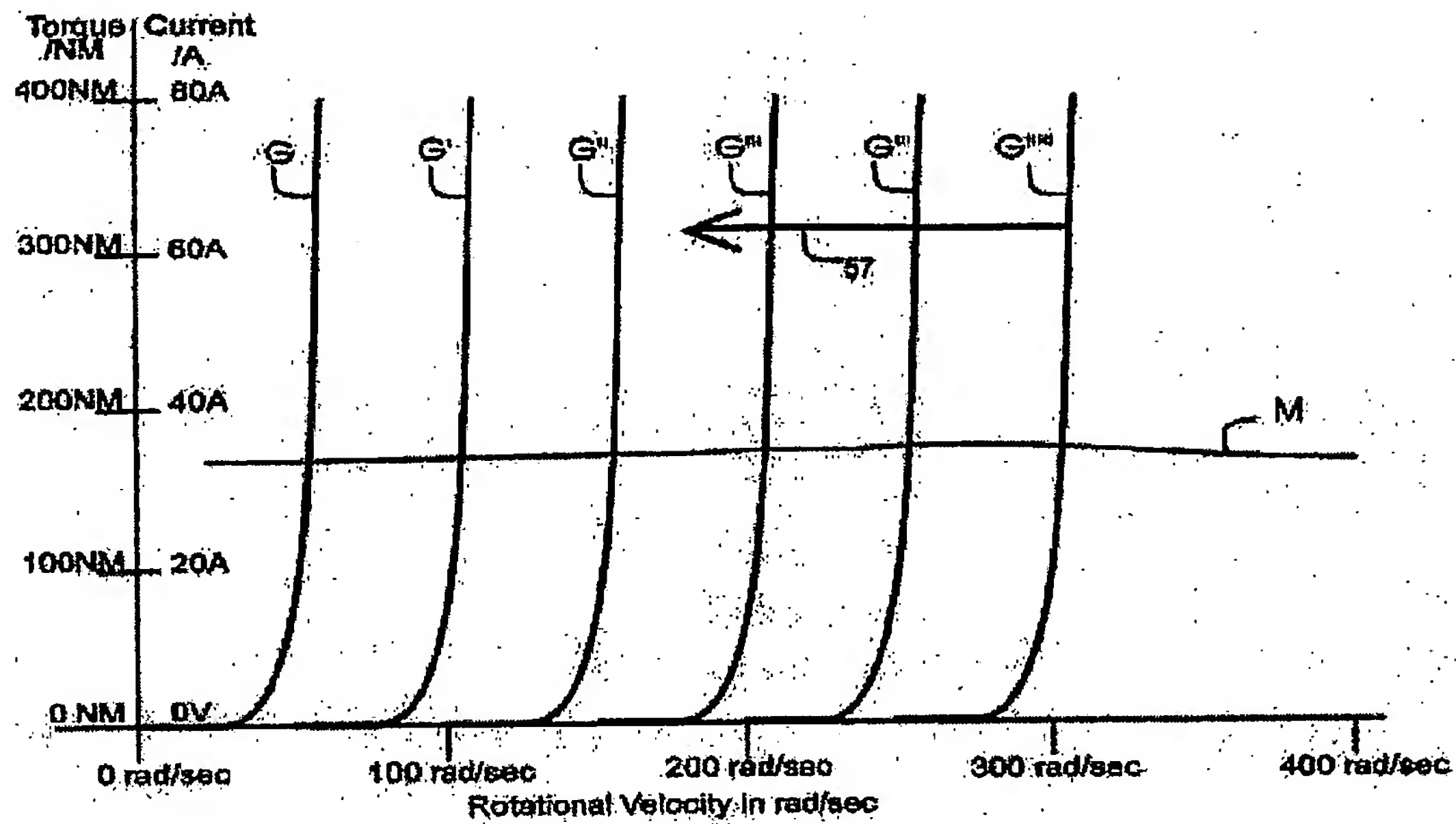


Figure 9c

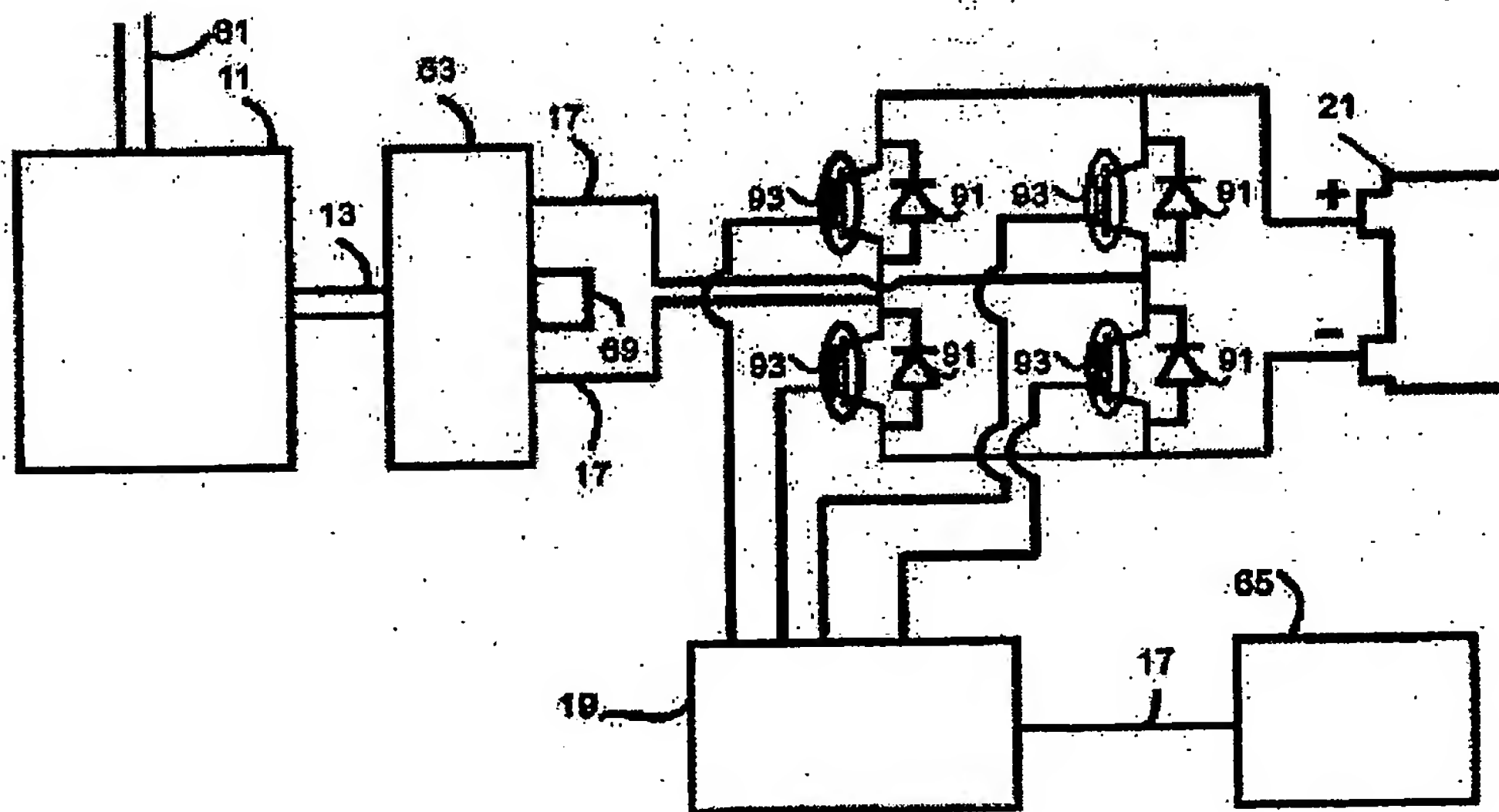
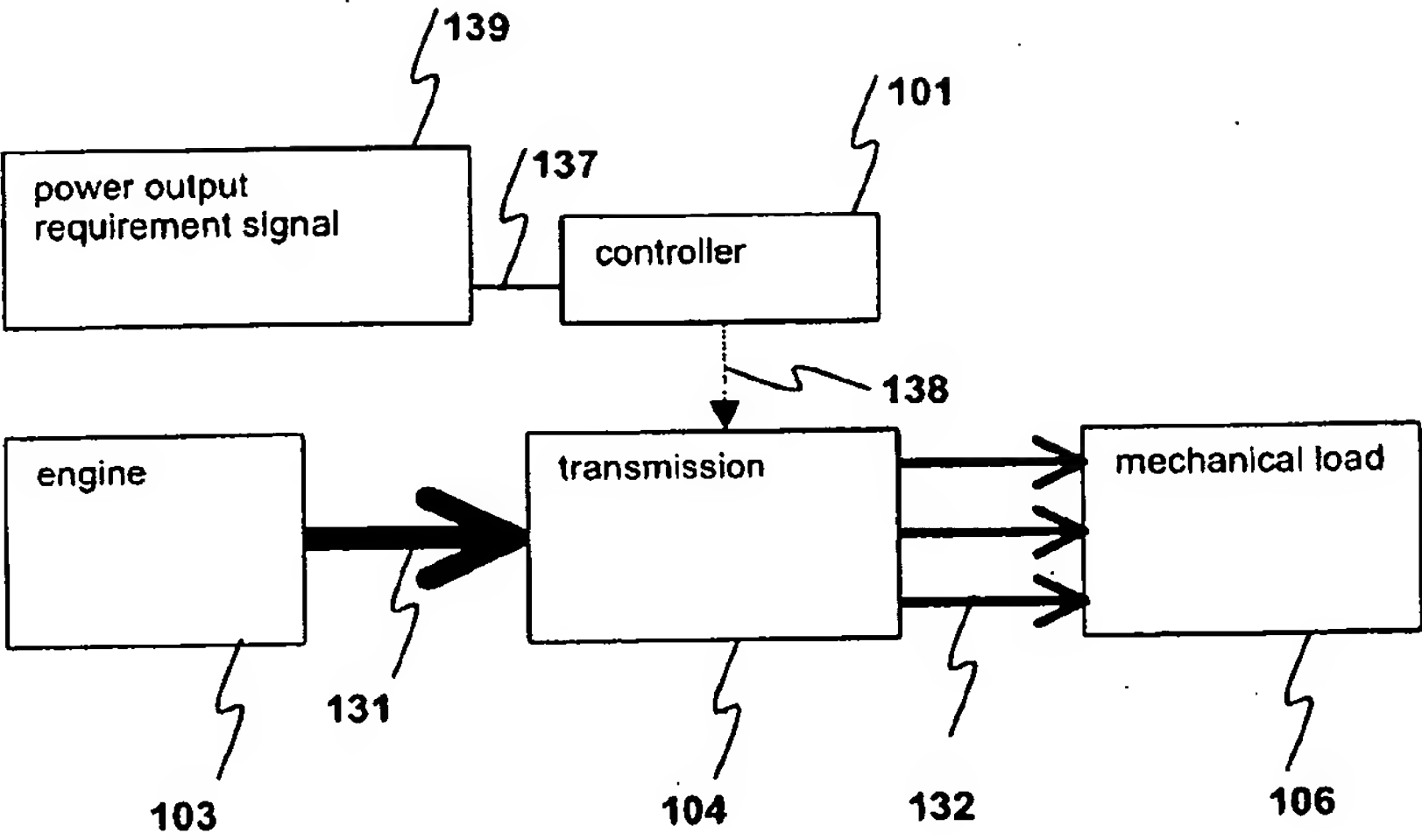
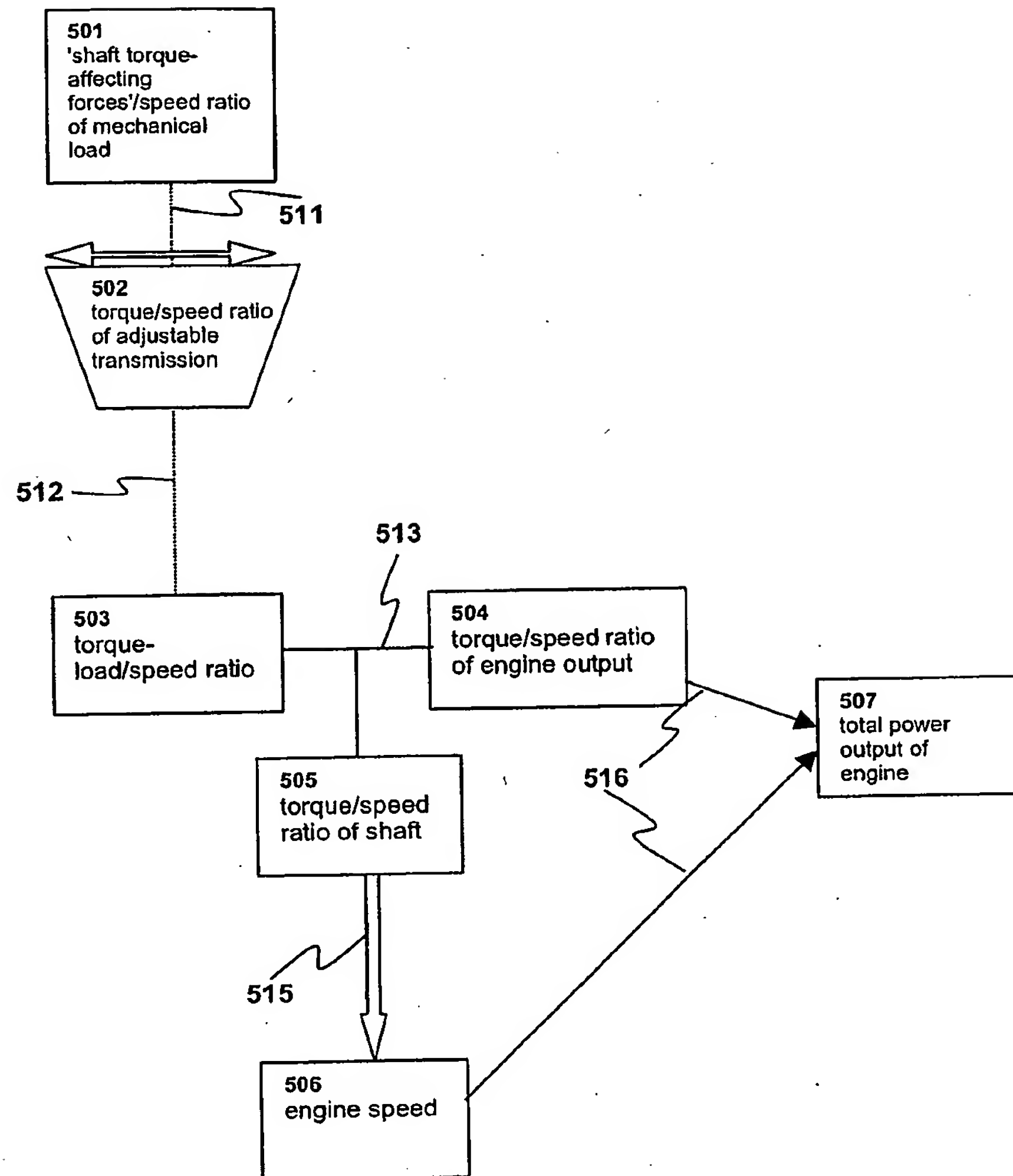


Figure 10



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Figure 11

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**Figure 12a**

step 0 is there a difference between required total power output and total power output?  
yes go to step 1  
no remain at step 0  
step 1 is required total power output greater than total power output?  
yes go to step 2  
no go to step 3  
step 2 increase transmission ratio and wait predetermined time period. Return to step 0  
step 3 decrease transmission ratio and wait predetermined time period. Return to step 0

**Figure 12b**

step 0 is there a difference between required total power output and total power output?  
yes go to step 1  
no remain at step 0  
step 1 is required total power output greater than total power output?  
yes go to step 2  
no go to step 5  
step 2 is the difference greater than x?  
yes go to step 3  
no go to step 4  
step 3 increase transmission torque/speed ratio by Group of Gears and wait predetermined time period. Return to step 0  
step 4 increase transmission torque/speed ratio by One Gear and wait predetermined time period. Return to step 0  
step 5 is the difference greater than x?  
yes go to step 6  
no go to step 7  
step 6 decrease transmission torque/speed ratio by Group of Gears and wait predetermined time period. Return to step 0  
step 7 decrease transmission torque/speed ratio by One Gear and wait predetermined time period. Return to step 0

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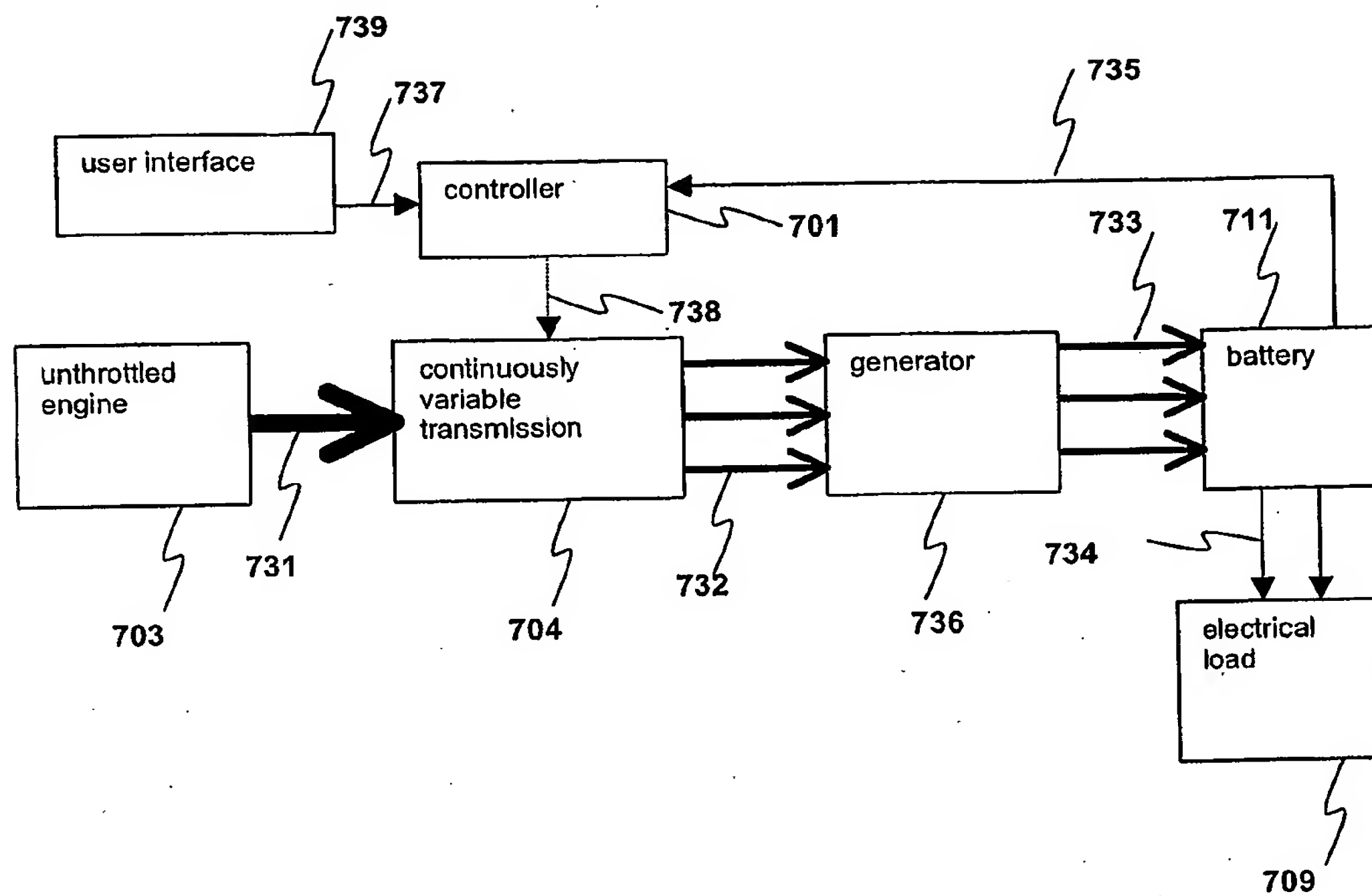
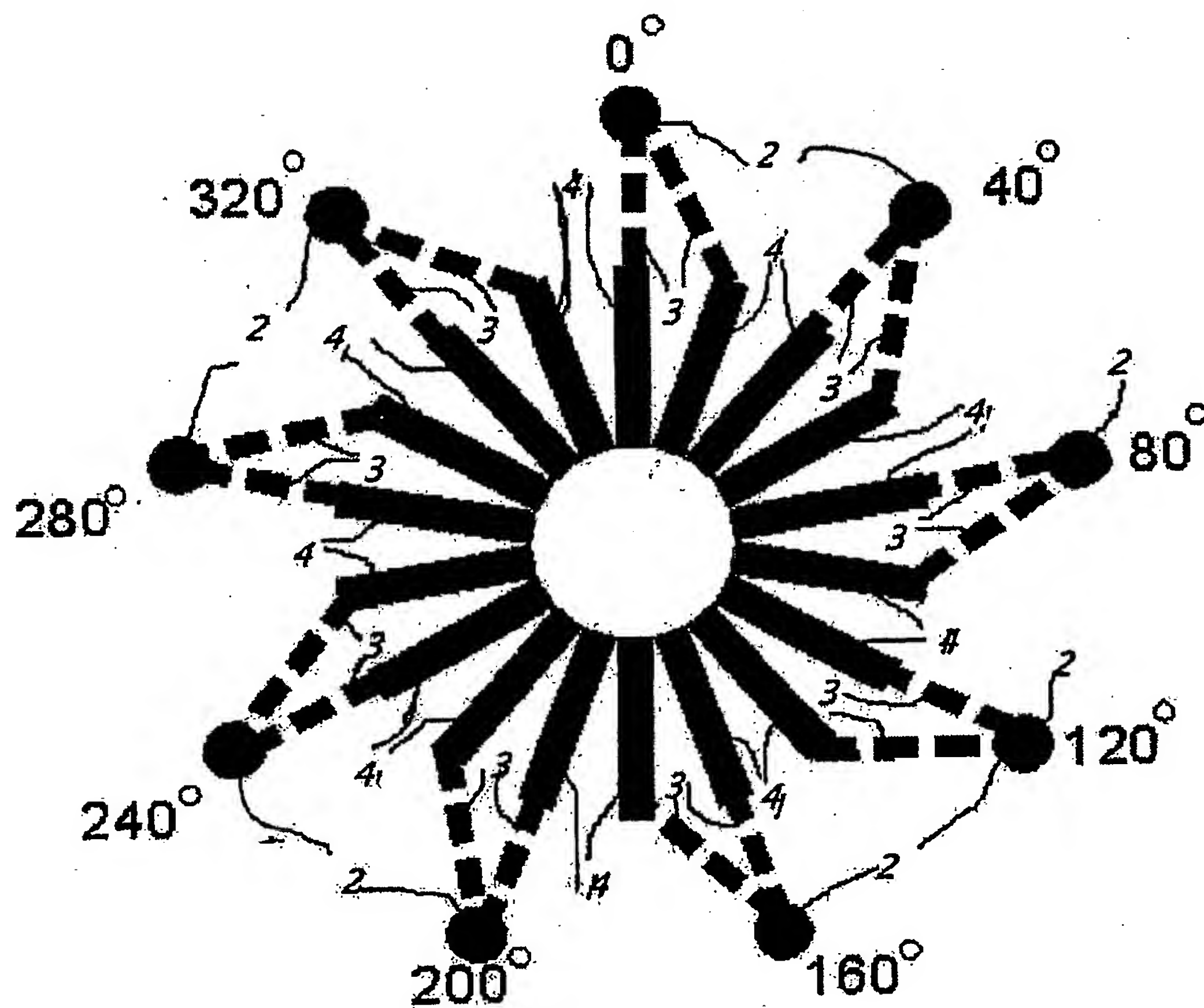
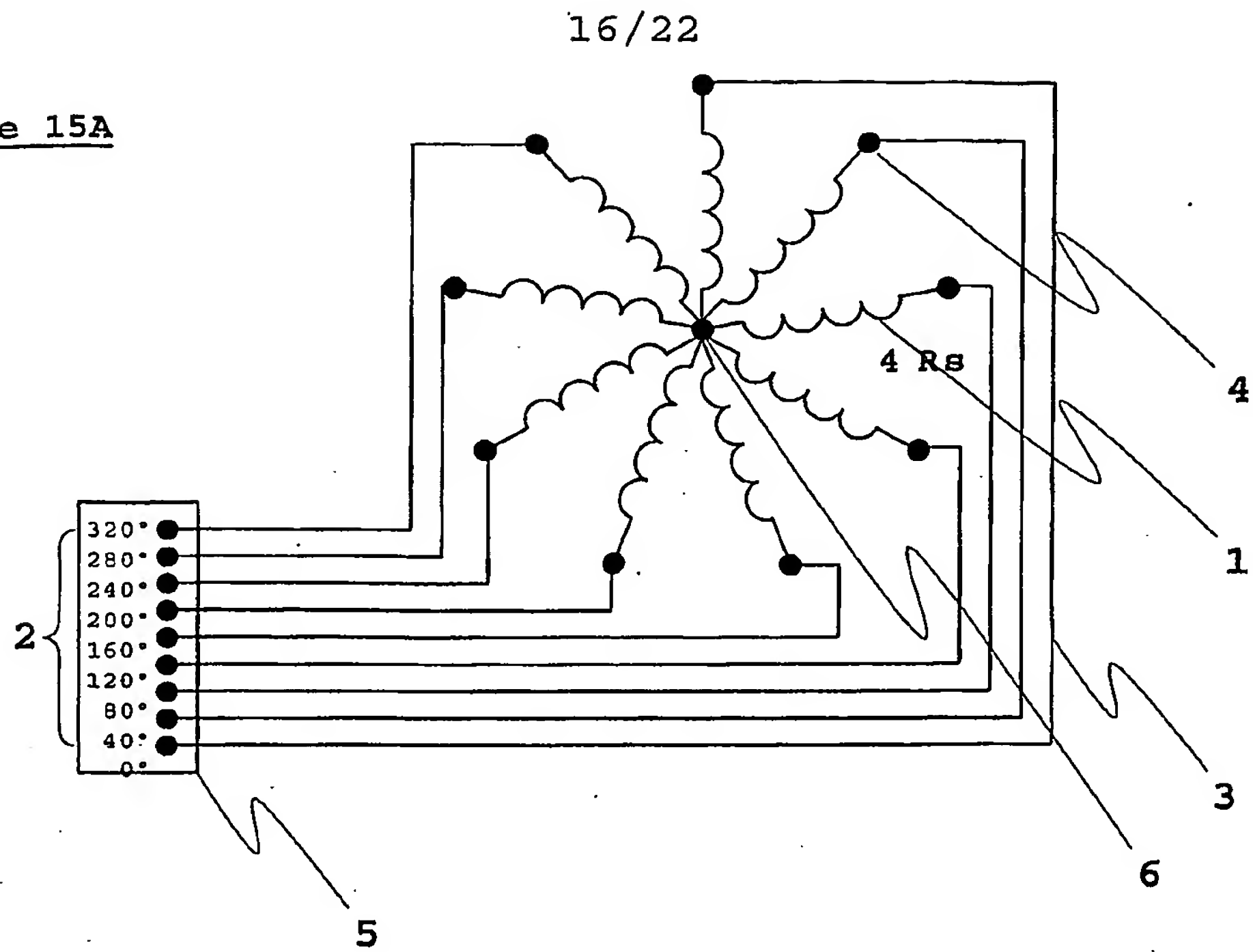
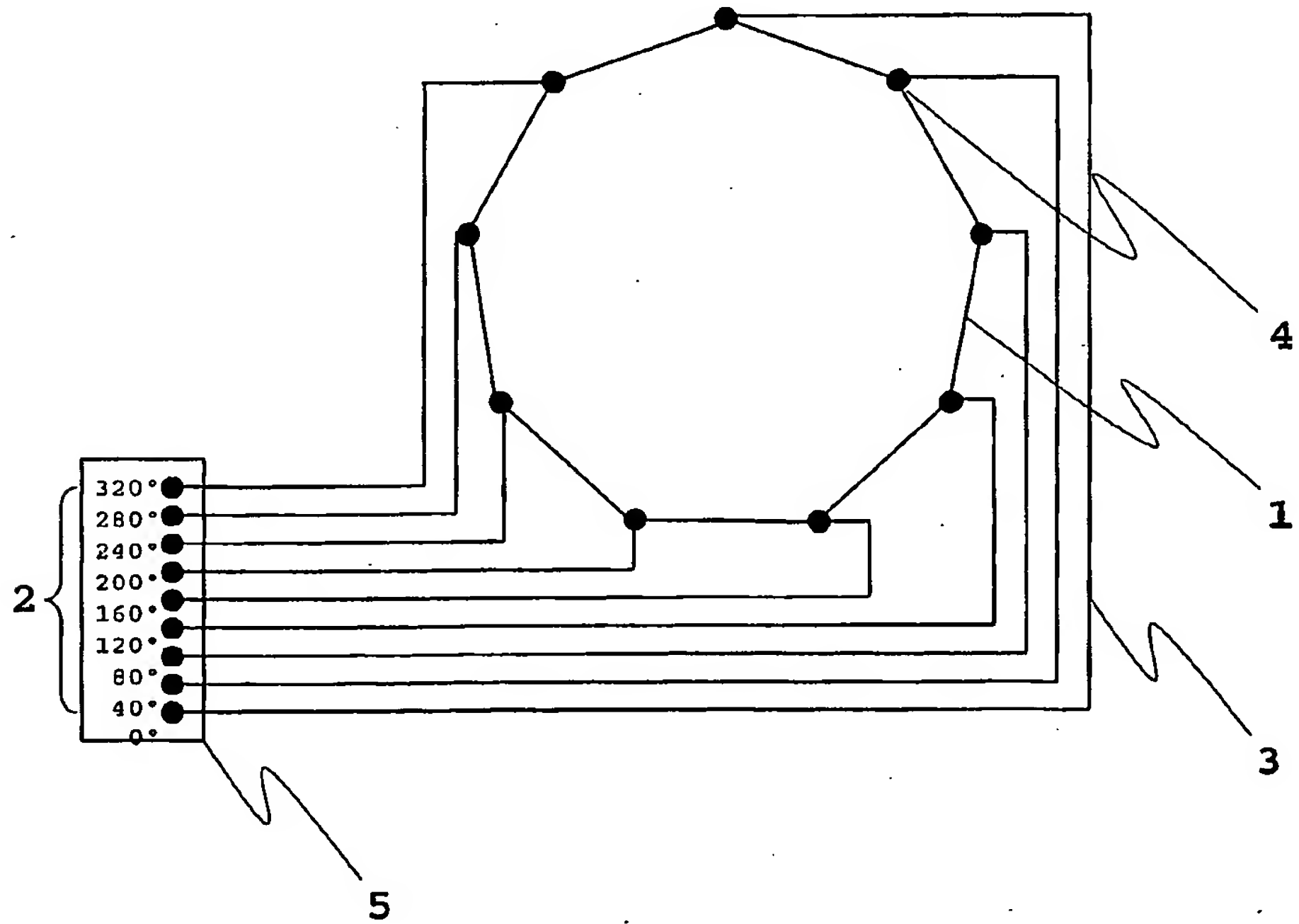
Figure 13

Figure 14

**Figure 15A**



**Figure 15B**





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Figure 15C

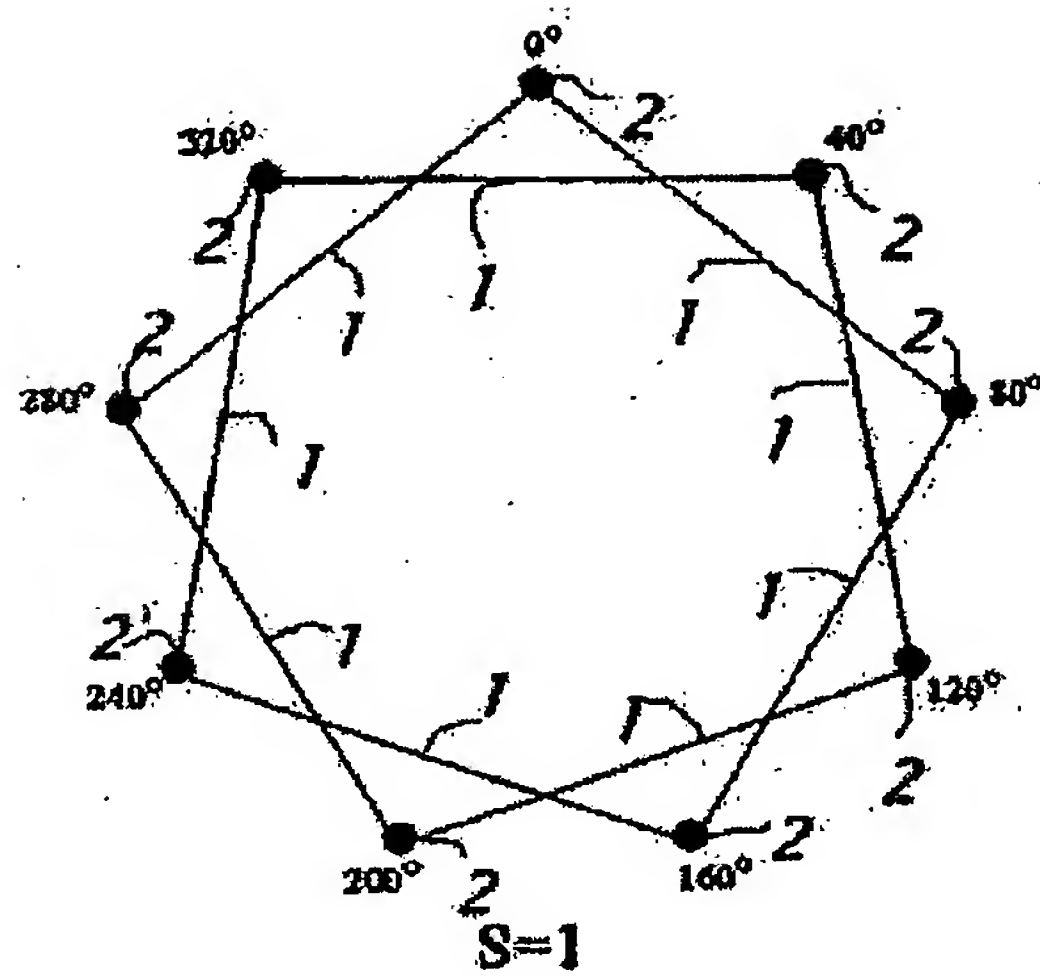


Figure 15D

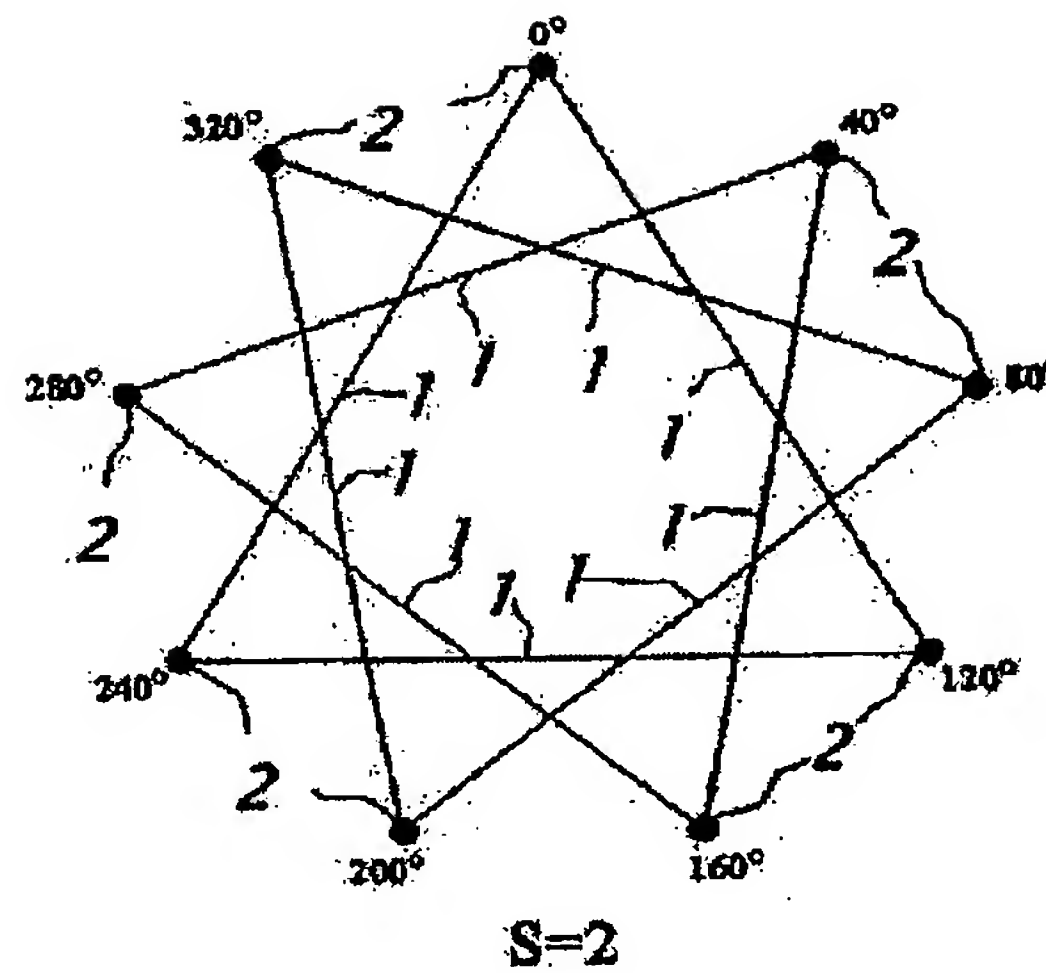


Figure 15E

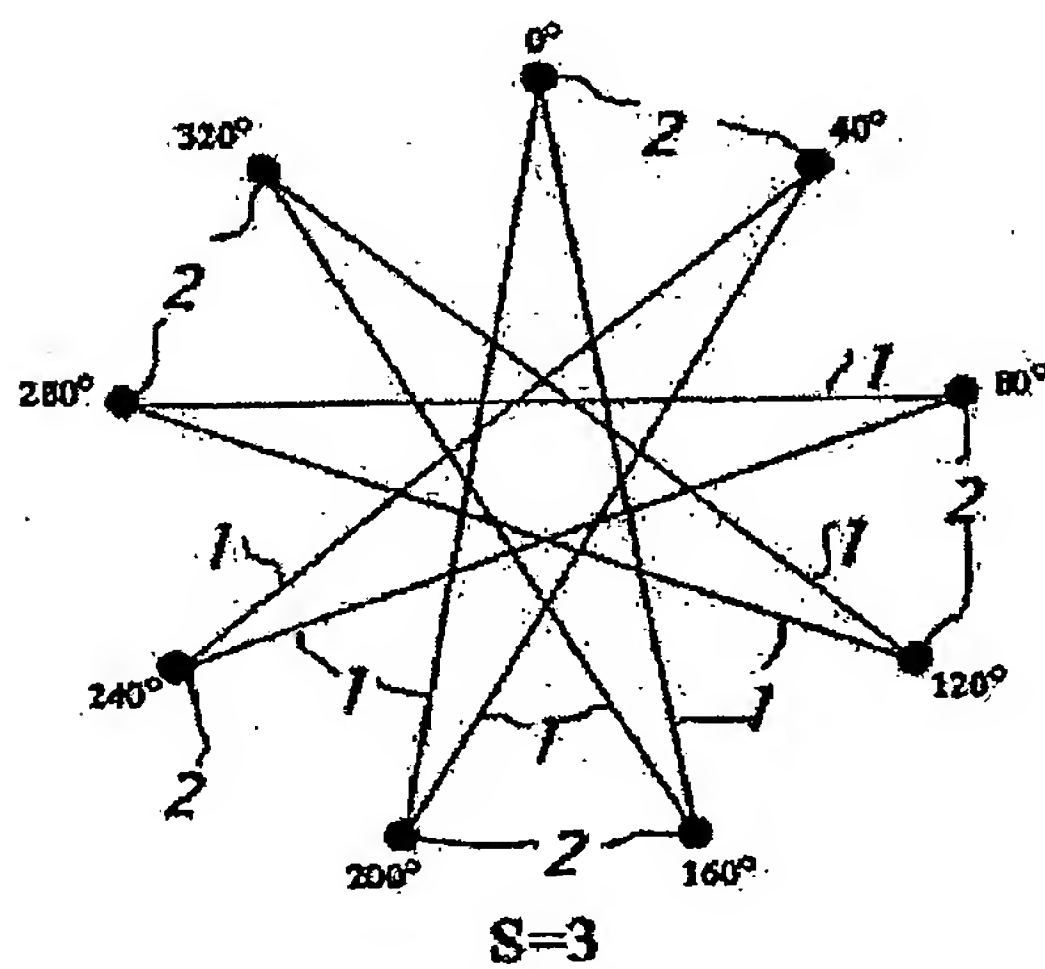


Figure 16A

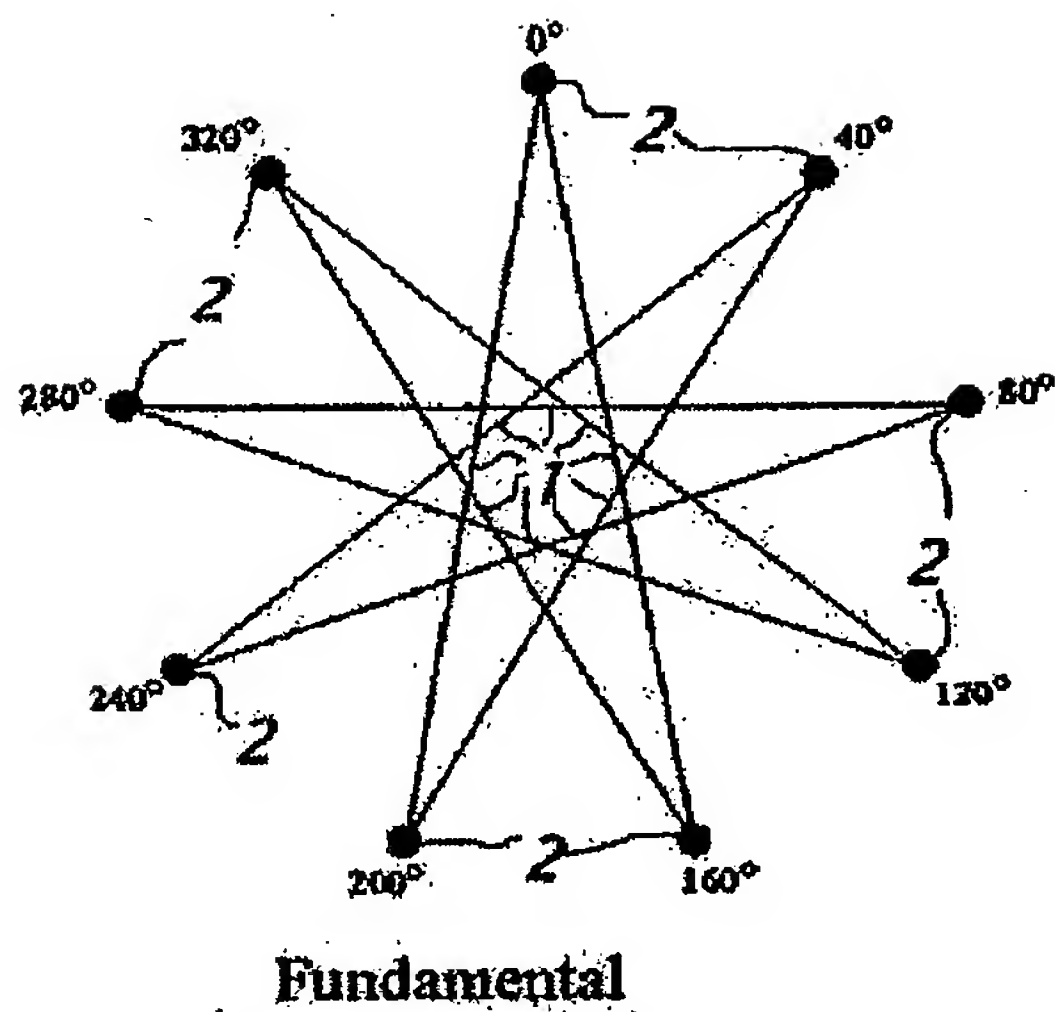


Figure 16B

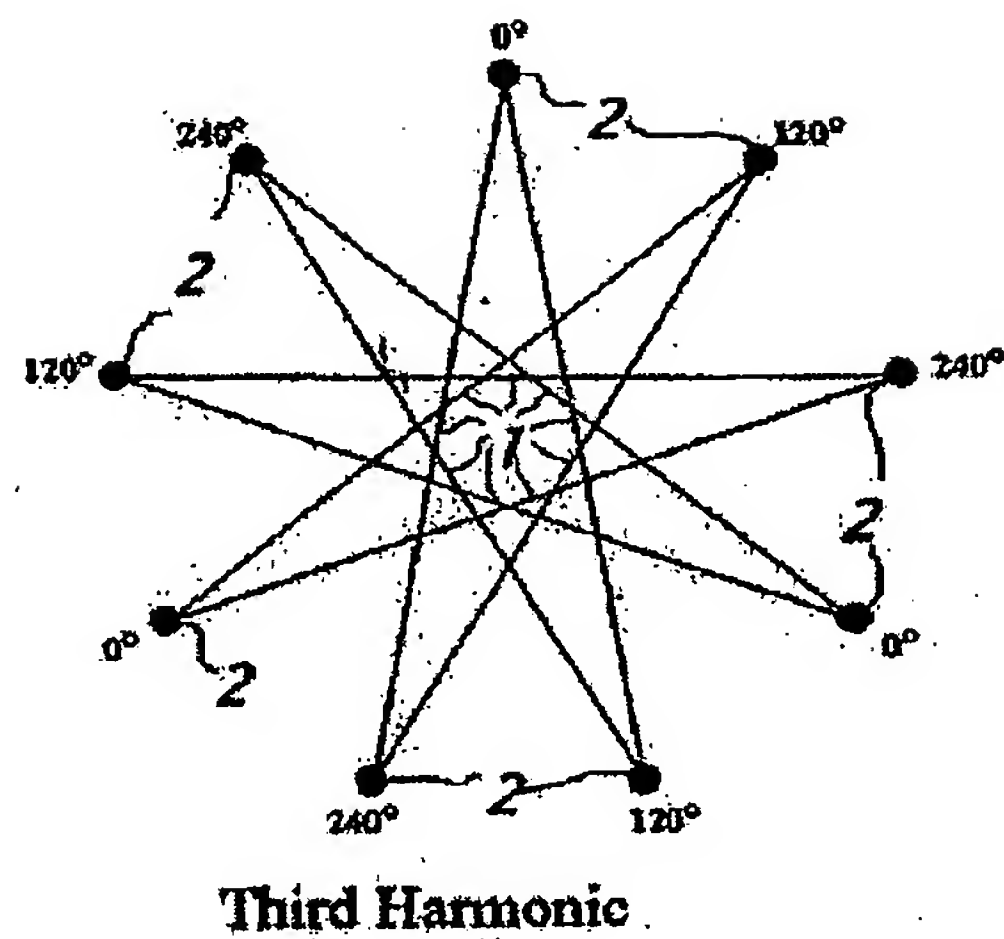


Figure 16C

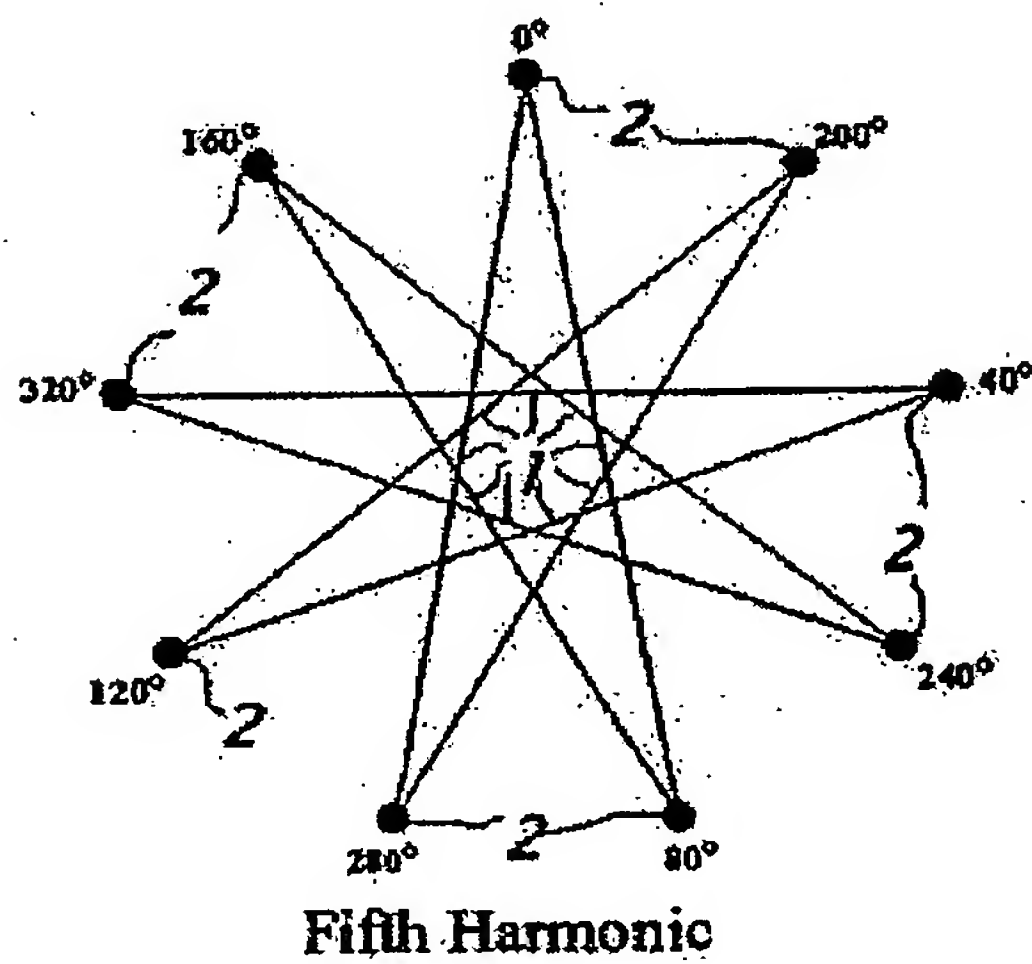
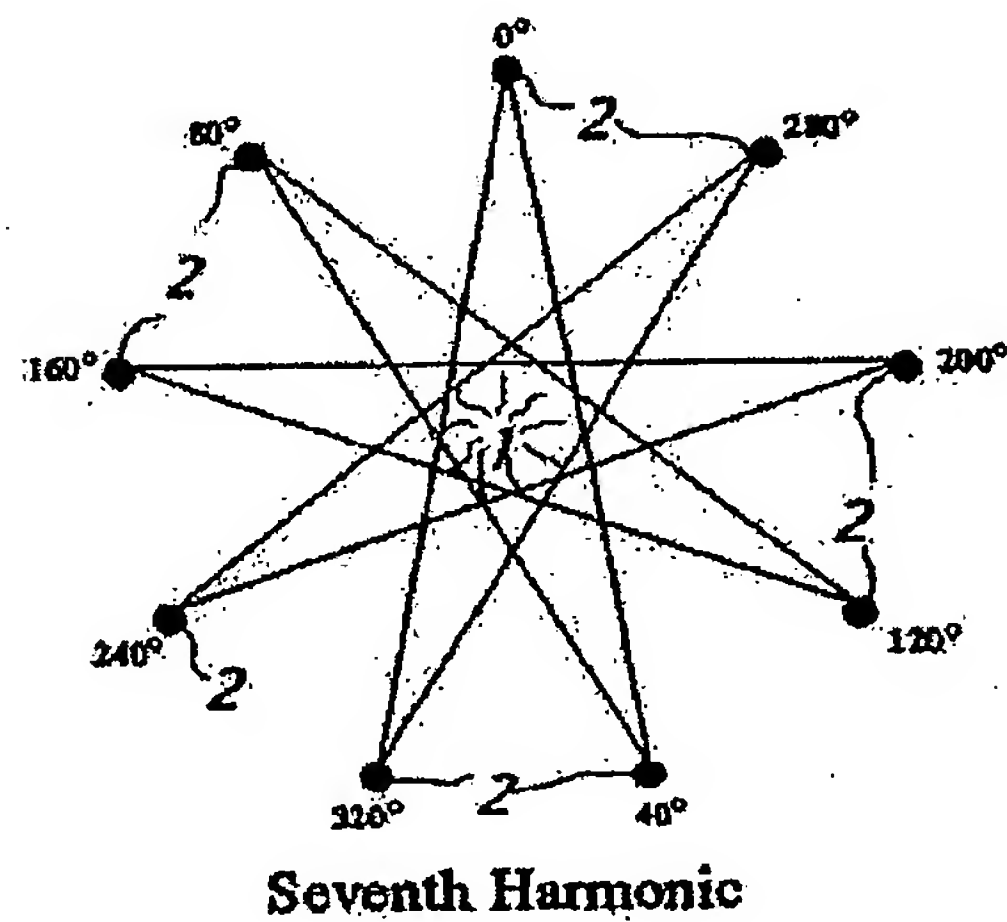
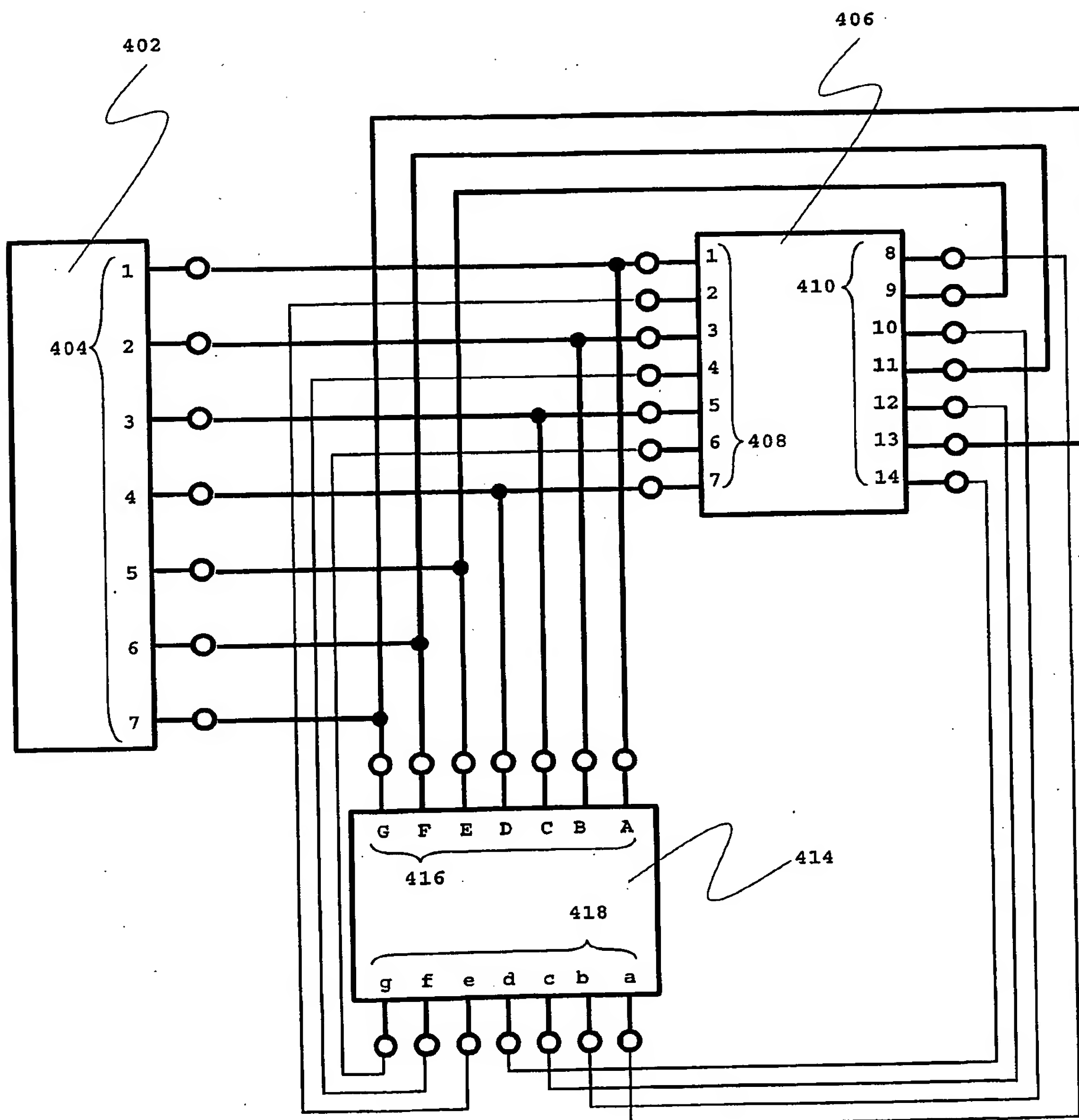


Figure 16D



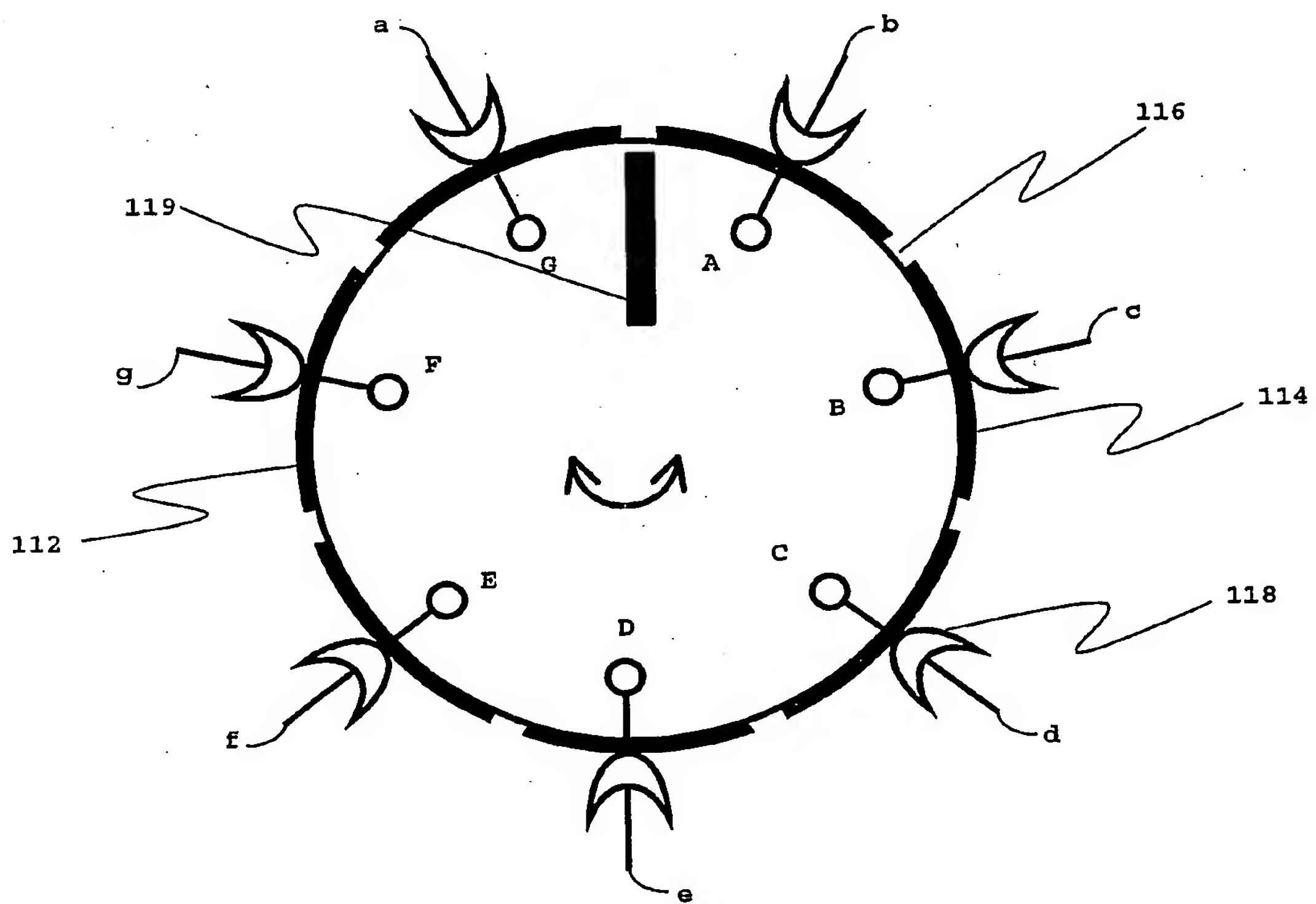
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Figure 17A



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Figure 17B



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Figure 18A

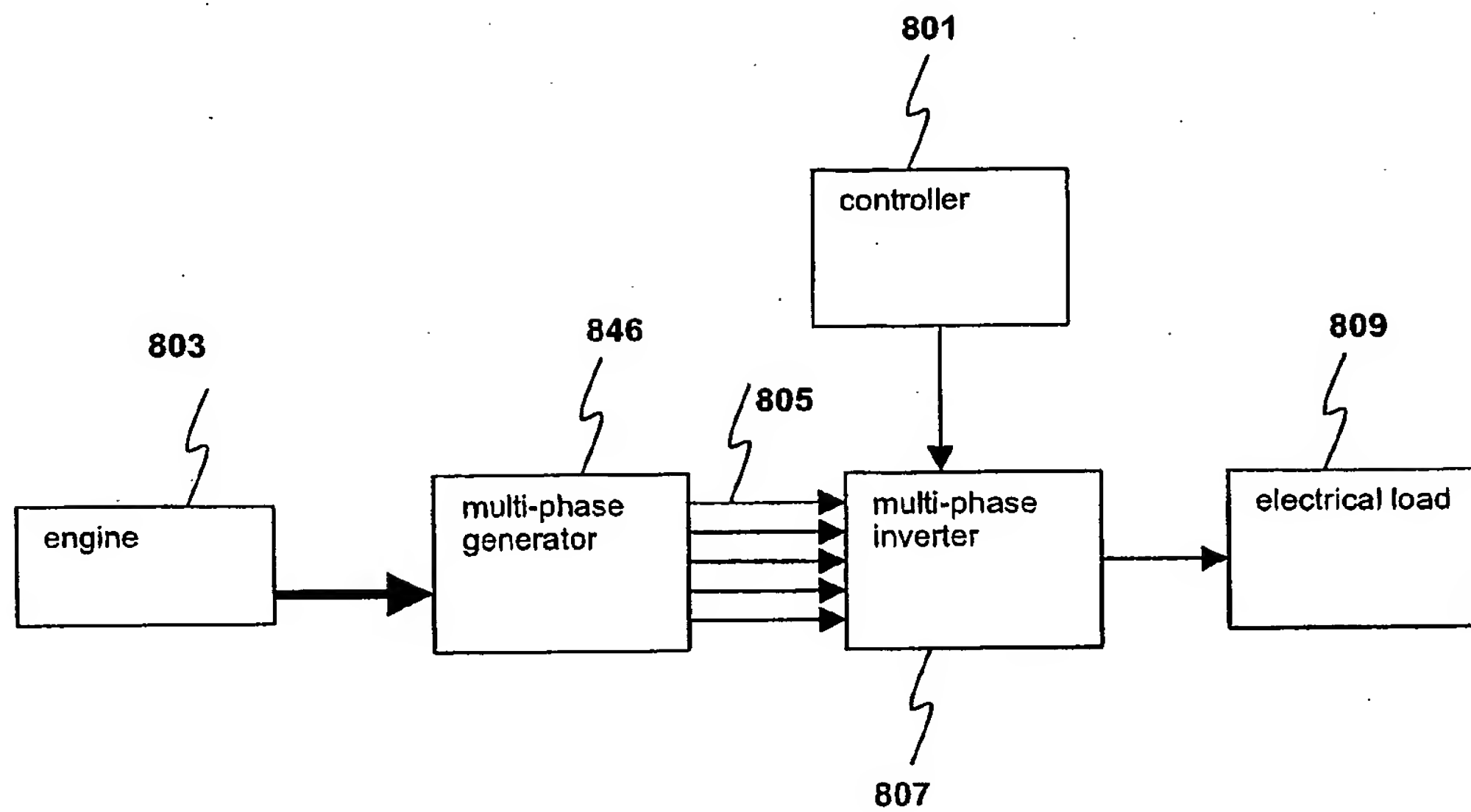
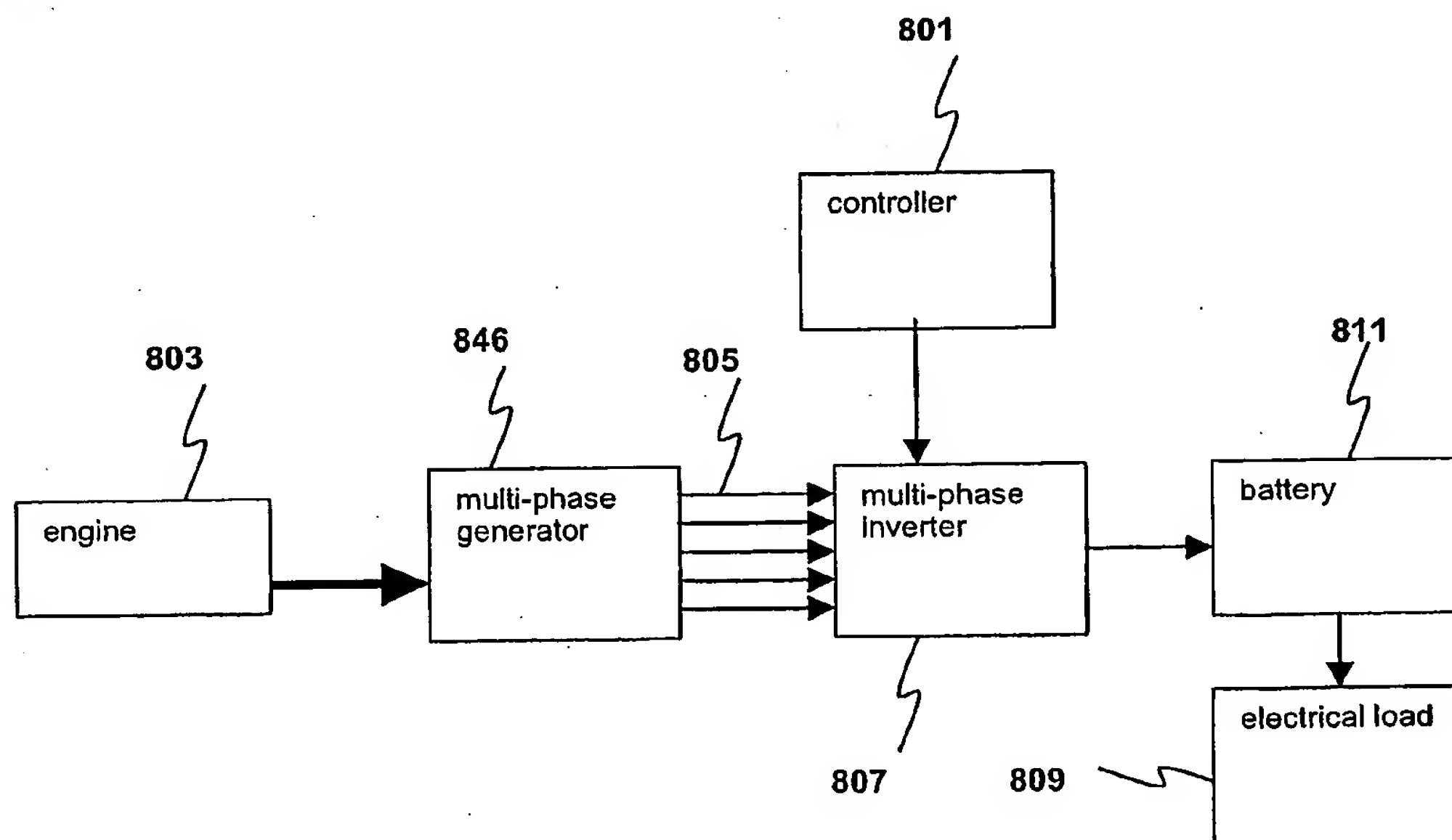


Figure 18B



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Figure 18C